GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 220.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

China Buckeer light.

IN continuation of Notice to Mariners No. 123, dated the 12th May 1900, issued by this office, the Port Officer, Rangoon, has given further information, dated 31st August 1900, that the light on China Buckeer will be discontinued on the 15th November 1900, and a light will be exhibited from a light-vessel anchored 2 miles to the south-east (true) of the present China Buckeer light-house.

The light will be group flashing alternate red and white flashes every 45 seconds, each flash being of 5 seconds duration and visible 12 miles.

The light-vessel will be painted red with one mast, at which is hoisted a black cone and the words "China Buckeer" painted on each side.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 221.

[Third Publication.]

INDIA, WEST—BOMBAY COAST.

(1) Miria bay buoy adrift.

THE following Notices to Mariners (No. 69 of 1900), issued by the Bombay Government, is republished:—

Information, dated 21st August 1900, has been received from the Commissioner of Customs, Salt, Opium and Abkari, that the Miria bay buoy has gone adrift.

Notice of its replacement will be given.

This Notice affects the following Admiralty Chart:—Ratnagiri, Miria and Kalbadavie Bays; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 179.

(2) Harnai light—Alteration in character.

Information has been received from the Commissioner of Customs, Salt, Opium and Abkari, dated 21st August 1900, that the occulting red light at Harnai will be shown as a fixed red light until further notice.

This Notice affects the following Admiralty Charts:—Karachi to Vengurla, No. 826; Gulf of Kutch to Viziadurg, No. 2736, and Kundari to Boria Pagoda, No. 738: Also, Light List, Part VI, 1900, page 38, No. 242a.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 222.

[Third Publication.]

EASTERN ARCHIPELAGO—BORNEO, SOUTH-WEST COAST.

Pulo Datu—Reef to the southward.

THE British Admiralty has given notice (No. 486 of 1900) of the existence of a reef with a depth over it of less than 16 feet, situated 7 miles southward of pulo Datu, in approximately lat. 0° 1′ S., long. 108° 36′ E. (*Notice No. 486 of 1900.*)

This Notice affects the following Admiralty Charts:—China Sea, No. 2600a; Eastern Archipelago, No. 941a: Also, China Sea Directory, vol. II, 1899, page 46.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 223.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—Leading lights established southward of Syriam point.

THE British Admiralty has given notice (No 487 of 1900) that two *white fixed* leading lights have been established to the southward of Syriam point, on the east bank of Rangoon river; the front light is situated 6½ cables S. 10° E. from the extreme of Syriam point; the rear light bears S. 71° E. from the front light.

Approximate position, front light, lat. 16° 45′ 0″ N., long. 96° 13′ 10″ E.

The above two lights in line S. 71° E. lead over the Hastings shoal. (*Notice No. 487 of 1900.*)

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Rangoon river, No. 833: Also, List of Lights, part VI, 1900, page 60; and Bay of Bengal Pilot, 1892, page 331.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 224.

[Third Publication.]

CHINA, EAST COAST—HONG KONG.

Tailong head light—Shown in error in Chart No. 1964.

THE British Admiralty has given notice (No. 483 of 1900) that as Tailong head light appears in error on certain copies of Admiralty Chart, No. 1964, notice is hereby given that the light should be erased from that chart. (*Notice No. 488 of 1900.*)

Approximate position, lat. 22° 12′ 50″ N., long. 114° 15′ 50″ E.

This Notice affects the following Admiralty Chart:—Mirs bay, No. 1964.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 225.

[Third Publication.]

PERSIAN GULF—NÁBIYU FARÚR.

Bank to the southward.

THE British Admiralty has given notice (No. 489 of 1900) of the existence of a bank with a depth over it of 8 fathoms, hard bottom, situated at a distance of 1¼ miles, S. 22° W. from Nábiyu Farúr.

Approximate position, lat. 26° 6′ N., long. 54° 26′ E.

This bank apparently was not examined; there may therefore be less water over it, (*Notice No. 489 of 1900.*)

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Chart:—Persian gulf, No. 2837a: Also Persian Gulf Pilot, 1898, page 236.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 226.

[Third Publication.]

AUSTRALIA—North-west and north coasts.

Shoals—Examination of and search for—.

The British Admiralty has given notice (No. 494 of 1900) that information, dated 30th May 1900, has been received from Commander J. W. Combe, H.M. Surveying Vessel *Penguin*, respecting the examination of the undermentioned shoals, and the unsuccessful search for others off the north-west and north coasts of Australia:—

1. Money shoal is of coral formation, very flat, extending 3¾ miles E.N.E. and W.S.W. by 1¾ miles wide, with a general depth of 5 to 6 fathoms over it. There are several patches of 18 feet on its eastern edge, the easternmost being in approximately lat. 10° 21′ 25″ S., long. 132° 45′ 50″ E.

   During fresh easterly winds the shoal was seen to break.

2. Marie shoal, composed of sand and coral, is 2 miles long N.N.W. and S.S.E., and 1 mile broad, with a general depth of from 5 to 7 fathoms over it. The least depth is 20 feet, situated about the middle of its western edge, in approximately lat. 10° 55′ 20″ S., long. 130° 06′ 15″ E.

   This shoal is surrounded by depths of 25 and 35 fathoms.

3. Browse islet. The position of this islet (centre) is approximately in lat. 14° 07′ 0″ S., long. 123° 33′ 25″ E.

4. Vulcan shoal is of live coral formation, 3 miles long W. by N. and E. by S., and 1 mile wide, with general depths of from 8 to 12 fathoms over it, the least depth being 5 fathoms situated near the western end in approximately lat. 12° 49′ 5″ S., long. 124° 16′ 15″ E.
   This shoal is surrounded by depths of 50 and 90 fathoms.

5. Heywood shoal is also of live coral, 3¾ miles long N.W. and S.E., and 2 miles broad, with general depths over it of from 9 to 15 fathoms. The least depths of 6 fathoms is situated near its south-east end in approximately lat. 13° 28′ 55″ S., long. 124° 03′ 25″ E.
   Deep water of from 30 to 50 fathoms surrounds the bank.

The above two shoals (4 and 5) were discovered in 1801 by Captain P. Heywood, H.M. Bomb *Vulcan*, and do not appear to have been seen since that date.

The undermentioned shoals have been searched for without success:—

(*a*) Indus shoal in approximately lat. 10° 17′ S., long. 131° 06′ E. An area of 120 square miles in this vicinity was sounded over in fine weather, the general depths obtained being from 45 to 52 fathoms mud bottom, without any indication of shoal water. The original report of this shoal being somewhat vague, it is considered that it does not exist, and it has in consequence been erased from the Charts.

(*b*) Lynher reef in approximately lat. 15° 26′ S., long. 121° 55′ E. This position was sounded over, a depth of 21 fathoms being obtained near the spot; P.D. has therefore been placed against this reef on the Chart, pending further investigations.

(*d*) The shallow line of soundings reported by "Le Scorff" in approximately lat. 10° 37′ S., long. 139° 27′ E.

(*e*) The shallow line of soundings reported by "Durance" in approximately lat. 10° 53′ S., long. 138° 45′ E. (*Notice No. 494 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Australia, northern portion, No. 2759a; North-west coast of Australia, No. 475; Cape Ford to Buccaneer Archipelago, No. 1047; Gulf of Carpentaria, Nos. 1043, 1044; Western approaches to Torres strait, No. 447: Also, Australia Directory, vol. III, 1895, pages 49, 247, 249; and Supplement, 1898, relating to that work, page 2.

W. B. Huddleston, Lieut., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

Calcutta, *the 10th September 1900.*

C. B. Bayley,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 227.

[Third Publication.]

KOREA, EAST COAST—COMMEMORATION BAY.

Position of a sunken rock.

THE British Admiralty has given notice (No. 496 of 1900) of the existence of a rock, over which there is a depth of 2¼ fathoms, situated at a distance of 4 cables N. 25° E. from Datsan island, Commemoration bay (Urusan Ko), in lat. 35° 31′ 40″ N., long. 129° 26′ 55″ E. (*Notice No. 496 of 1900.*)

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Commemoration bay, on Sheet No. 1259: Also, China Sea Directory, vol. IV, 1894, page 138.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 228.

[Third Publication.]

KOREA, SOUH-WEST COAST—MURRAY AND LYNE SOUNDS.

Shoals.

THE British Admiralty has given notice (No. 497 of 1900) of the existence of the following shoals off the south-west coast of Korea:—

(*a*) A patch of fine sand with a depth of 2¾ fathoms over it, in lat. 34° 14′ 55″ N., long. 126° 0′ 50″ E.

(*b*) A sandy shoal, named Gyuzi, with depths over it of from 3½ to 4¾ fathoms, and about 4½ cables long, north and south, and 1 to 3½ cables broad. The south extremity, with a depth of 4 fathoms over it, steep to on the east and west sides, is situated with the isolated rock about one mile northward of Kacha Do, bearing N. 7½° E., distant 6$\frac{8}{10}$ miles, in lat. 34° 28′ 20″ N., long. 125° 55′ E. (*Notice No. 497 of 1900.*)

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Korea Archipelago, No. 104: Also, China Sea Directory, vol. IV, 1894, pages 86, 79; and Supplement, 1898, pages 4 and 5.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 10th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 229.

[Third Publication.]

CHINA, EAST—YANG TSE KIANG APPROACH.

Gutzlaff light—Character altered.

THE British Admiralty has given notice (No. 503 of 1900) that the character of Gutzlaff light has been altered from white fixed to *white flashing* every *five seconds*, elevated 283 fee above high water, and visible in clear weather from a distance of 24 miles.

It is shown from a steel tower, 46 feet high, erected on the eastern summit of the island about 50 yards N. 77° E. from the site of the old tower. (*Notice No. 503 of 1900.*)

Approximate position, lat. 30° 48′ N., long. 122° 10′ E.

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Hongkong to Liautung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Kue shan islands, &c., No. 1199; Approaches to Yang tse kiang, Nos. 1124, 1602: Also, List of Lights, part VI, 1900, No. 734; China Sea Directory, vol. III, 1894, page 379; and Supplement, 1898, page 24.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 230.

[Third Publication.]

CHINA—EAST COAST.

Namoa island—Shoal ground eastward of Glengyle rock.

THE British Admiralty has given notice (No. 504 of 1900) that Mr. D. Mackenzie Master of of S.S. *Kweilin*, reports that on 4th June 1900, his vessel, drawing about 14 feet struck on a shoal, which, from the bearings given, would place it in the proximity of the Glengyle rock; the danger line around that rock has therefore been extended on the chart for a distance of 3 cables eastward to lat. 23° 24′ 15″ N., long. 117° 9′ 0″ E. (*Notice No. 504 of 1900.*)

This Notice affects the following Admiralty Chart:—Namoa island, No. 1957: Also, China Sea Directory, vol. III, 1894, page 156.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 10th September 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 3, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—(*1*) *Spit Tongue*—(*2*) *Liffey Reach*—(*3*) *DeSilva shool.*

THE Port Officer, Rangoon, has given notice of the following changes:—

(*1*) *Spit Tongue—Extension of—.*

Dated 3rd September.

The three-fathom line of the Spit Tongue has extended about 2¼ cables S. by E., and the extreme east point of the Tongue is now 200 yards due east of the Spit Tongue buoy.

(*2*) *Liffey Reach—A fourteen-feet lump discovered.*

Dated 4th September.

A fourteen-feet lump has been discovered in the Liffey Reach and fairly in the centre of the channel. It lies W. by N. (true) of the mouth of the Tanwet Choung creek in the following bearings (true):—

Shwe Dagon	...	...	...	...	N. 40° W.
Syriam pagoda	...	...	...	...	N. 76° E.

and is marked by a second class black Conical buoy laid in 22 feet of water reduced 30 yards to the eastward of the patch.

Vessels should keep to the eastward of the buoy, as the water to the westward is doubtful, another lump of 14 feet having been found there.

(*3*) *DeSilva Shoal—A Can buoy placed.*

Dated 5th September.

A first class can buoy painted black has been laid at the elbow of DeSilva shoal in 18 feet of water reduced on the following bearings (true) from the buoy:—

Red beacon	...	...	...	...	N. 29° 00 E.
North beacon	...	...	...	...	N. 7° 00 E.
Tide Gauge—Choki point			...	...	N. 28° 10 N.
Tree beacon above DeSilva point			...	...	N. 49° 00 W.
South beacon	...	...	...	...	South.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 244.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES, NORTH COAST—BABUYAN ISLANDS.

Mabak island—Shoal ledge extending from—.

THE British Admiralty has given notice (No. 538 of 1900) that a narrow shoal ledge is reported to extend for about three-quarters of a mile in a north-westerly direction from the west end of Mabak island.

Position, Mabak island, west point, lat. 18° 53′ N., long. 121° 15′ E.

NOTE.—On the plan of Musa bay on Chart 2454 the longitude of the N.E. point of Mabak island is incorrectly given as 110° 15′ 50″ E.; it should be 121° 15′ 50″ E. (*Notice No. 538 of 1900.*)

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227; and Eastern Archipelago, part I, 1890, page 335.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES—BURIAS ISLAND.

Shoal to the westward of Gorrion island.

THE British Admiralty has given notice (No. 540 of 1900) that a shoal is reported to exist at a distance of 4½ miles N. 78° W. from Gorrion island. It has been placed on the charts as a rock with less than 6 feet over it in this position. (*Notice No 540 of 1900.*)

Approximate position, lat. 12° 50′ N., long. 123° 10′ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; St. Bernardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, pages 308, 310.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 246.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO, EAST COAST.

Shoal reported southward of Ligitan island.

THE British Admiralty has given notice (No. 541 of 1900) that Mr. Kynoch, Master of the S.S. *Mansang*, reports that his vessel, drawing 16 feet, touched on and passed over a shoal situated with the west extreme of Ligitan island bearing N. 16° W., and Sipidan island centre, S. 87° W. As a very slight error in the bearing of Sipidan island (distant 16 miles) would make a considerable difference in the position of the ship, and as it is improbable that a shoal exists outside the bank extending from Ligitan island, but possible that one may be situated on the edge of the 100-fathom line, a shoal of 2¾ fathoms has been placed on the Chart with the west extreme of Ligitan island bearing N. 16° W., distant 2¼ miles, in lat. 4° 7′ 35″ N., long. 118° 53′ 40″ E. (*Notice No. 541 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660 (b); Sulu Archipelago, No. 2576; Sibuko bay, No. 1681: Also, Eastern Archipelago, part I, 1890, page 188; and Revised Supplement, 1898, page 48.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 247.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES, BASILAN STRAIT.

Sakol island—Shoal on the north side.

THE British Admiralty has given notice (No. 543 of 1900) that a shoal of coral and sand, with a depth over it of 9 feet, is reported to exist with the north end of Sakol island (in line with north end of Tulnalutan island) bearing S. 84° E., distant 14 cables, and the north-west extreme of the same island S. 51° W. (*Notice No. 543 of 1900.*)

Approximate position, lat. 7° 0′ N., long. 122° 14E′.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Basilan strait, No. 961: Also, Eastern Archipelago, part I, 1890, page 99.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 248.

[First Publication.]

CHINA—SHANTUNG—KYAU CHAU BAY.

Yu nui san—Intended light.

THE British Admiralty has given notice (No. 544 of 1900) that in September 1900, at the earliest an electric *white* light, visible from a distance of 16 miles, will be exhibited from a lighthouse being constructed on Yu nui san, Kyau chau bay.

Yu nui san light will show *white occulting* (light, *one second;* eclipse, *one second*) over an arc of 30°; *white fixed* over an arc of 12°; *white group occulting* (light, *one second;* eclipse, *one second;* light, *one second;* eclipse, three seconds), over an arc of 278°; and will be obscured over an arc of 40°. (*Notice No. 544 of 1900.*)

Approximate position, lat. 36° 2½′ N., long. 120° 17½ E.
Further notice will be given when particulars are received.

This Notice affects the following Admiralty Chart:—Kyau chau bay, No. 857: Also, List of Lights, part VI, 1900, page 130; and China Sea Directory, vol. III, 1894, page 522; and Supplement, 1898, page 28.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 249.

[First Publication.]

PACIFIC OCEAN—THE PHILIPPINES—MINDANAO-SIBUGUEI BAY.

Circe and other shoals—Particulars of—.

THE British Admiralty has given notice (No. 548 of 1900) of the following particulars of the Circe and other shoals in Sibuguei bay:—

(*a*) Circe shoal, composed of sand and coral, is one mile long, N.N.W. and S.S.E. and half a mile broad, with a least depth over it of 3 fathoms, from which Pandalusan island bears N. 2° W., distant 11 miles, and south point of Olutanga island S. 83° E.

(*b*) A shoal, the depth on which is not stated, and which has therefore been marked on the Admiralty Chart as a rock with less than 6 feet, exists with Pandalusan island bearing N. 2° E., distant 4¼ miles.

(*c*) A V-shaped reef extends from Pandalusan island in a south-easterly direction for a distance of 1½ miles.

(*d*) The shoal 4¼ miles N. 10° E. from Pandalusan island is awash. To the northward of this shoal, as far as Kabut islands, reefs extend from the coast for a distance of from 1 to 2 miles. (*Notice No. 548 of 1900.*)

Approximate position, Pandalusan island, lat. 7° 28′ N., long. 122° 39′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sulu archipelago, No. 2576; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 356; and Revised Supplement, 1898, page 69.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 240.

[Second Publication.]

AUSTRALIA—TORRES STRAIT—INNER ROUTE.

Discoloured water between Percy and High Peak islands.

THE Port Master, Brisbane, has given notice (No. 14 of 1900) that on the 11th August discoloured water was observed between the South-east Islet, Percy Group, and High Peak Island, extending in a West North-west and East South-east direction for about a mile and in a North North-east and South South-west direction for about half-a-mile.

A line drawn from the North-east extreme of the South-east Islet to High Peak Island passes over the discoloured water, from which

High Peak bears South 60° East;

South-east Islet, Northern extremity, bears North 60° West;

Steep Island bears South 4° West.

The locality will be examined at an early date.

Chart affected, No. 346; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 24th September 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[Second Publication.]

BAY OF BENGAL—COROMANDEL COAST.

Tranquebar flagstaff removed.

THE Presidency Port Officer, Madras, has given notice, dated 29th August 1900, that the flagstaff at Tranquebar no longer exists. It was taken down in 1889.

This Notice affects the following Admiralty Chart:—Madras to Point Calimere, No. 71d: Also, Bay of Bengal Pilot, 1892, 2nd Edition, page 114.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 24th September 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[Second Publication.]

AFRICA, NORTH-EAST—GULF OF ADEN, NORTH SHORE.

Aden harbour—The wreck of the "Anadyr."

THE following Notice to Mariners (No. 76 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Port Officer, Aden, dated 1st September 1900, that the wreck of the *Anadyr* being no longer visible above water, a permanent buoy, painted green, has been placed to mark the site of the wreck.

This Notice affects the following Admiralty Chart:—Aden and adjacent Bays, No. 7: Also, Red Sea and Gulf of Aden Pilot, 4th Edition, 1892, page 380.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 231.

[Third Publication.]

CHINA SEA—THE PHILIPPINES—PANAY ISLAND.

Port Ilo Ilo—New shoal off the fort.

THE British Admiralty has given notice (No. 505 of 1900) of the existence of a shoal of small extent with a depth of 4 fathoms over it, in port Ilo Ilo, situated with the Fort bearing West, distant 3¼ cables, and the red light at river entrance, N. 35° W.

This shoal is marked by a conical buoy painted in black and white vertical stripes. (*Notice No. 505 of 1900.*)

Approximate position, lat. 10° 41′ N., long. 122° 35′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Port Ilo Ilo, on sheet No. 2391: Also, Eastern Archipelago, part I, 1890, page 216; and Revised Supplement, 1898, page 61.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 232.

[Third Publication.]

AUSTRALIA, EAST COAST—COOKS PASSAGE.

Shoal in approach reported.

THE British Admiralty has given notice (No. 511 of 1900) that the Master of the schooner *Griffin* reports that his vessel when about 4 miles north-eastward of Cooks passage passed within 50 yards of a shoal patch about 70 yards long and 30 yards broad. The shoal did not appear to have more than a depth of 4 to 5 fathoms over it, but there was no sign of any break.

The bearings taken place this shoal in lat. 14° 28′ 20″ S., long. 145° 36′ 0″ E.

NOTE.—As no soundings were obtained, it seems not impossible that this shoal appearance might have been caused by marine animalculæ. (*Notice No. 511 of 1900.*)

This Notice affects the following Admiralty Charts:—Coral sea, No. 2764; Hope islands and Turtle group, No. 2923: Also, Australia Directory, vol. II, 1898, page 377.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 233.

[Third Publication.]

JAPAN, INLAND SEA—IYO NADA.

Gogo sima, Nokutsuna sima—New rocks.

THE British Admiralty has given notice (No. 513 of 1900) of the existence of the undermentioned rocks between Gogo sima and the main land :—

1. A rock with a depth of 2½ fathoms over it, situated with Take sima, Horiyé bay, bearing N. 84° E., distant 9½ cables, and Skumo sima S. 10° E.
2. A rock named Kyonoishi, with a least depth of 2¾ fathoms over it, situated with Si Sima bearing N. 42° E., distant 9¼ cables, and south point of Gogo Sima N. 71° W.
3. A rock named Taka yama ishi, with a least depth over it of 3 fathoms, situated with Si Sima bearing N. 34° E., distant 9 cables, and south point of Gogo Sima N. 70° W.

   The above two rocks (2) and (3) form part of the Yokomakura bank, which is long and irregular in shape and has depths over it of from 3½ to 4¾ fathoms. Approximate position, lat. 33° 52′ N., long. 132° 41′ E.
4. A sandy patch of small extent, on which there is a depth of ¾ fathom, situated on the edge of the shoal bank, southward of Mitsuga Hama with Mitsuga Hama light bearing N. 30° E., distant nearly 6 cables, and south point of Gogo Sima No. 61° W.
5. A rock southward of Nokutsu Sima, with a depth of 1½ fathoms on it, situated with the east summit of Nokutsuma (Nobotsuna) bearing N. 12° E., distant 4¼ cables. (*Notice No. 513 of 1900.*)

Position, lat. 33° 57′ 50″ N., long. 132° 41′ 20″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Misima Nada and Iyo Nada, No. 83; Plan of Gogo Sima on sheet No. 694: Also, China Sea Directory, vol. IV., 1894, page 417.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 14th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 234.

[Third Publication.]

AUSTRALIA—SOUTH CHANNEL, PORT CURTIS.

Exhibition lights, and changed position of Gatcombe head light.

WITH reference to Notice to Mariners No. 200, dated the 11th August 1900, issued by this Office, the Port Master, Brisbane, has given further notice (No. 13 of 1900) that, on and after the 8th August, the South Channel into Port Curtis will be lighted for navigation by night, and the light from Gatcombe Head will be exhibited from the new tower erected 450 feet N. by E. from the old structure.

A description of the new lights has already been given in Notice No. 11, and the directions for their use are as follow:—

SOUTH CHANNEL.

By Day.—Vessels bound into the Port of Gladstone, and using the South Channel by day, will bring the leading light beacons, near the Boyne River, in line S. 75° W. before the Jenny Lind bank buoy is reached; continue with them in line until South Trees Point comes in line with Scrubby Mountain N.W. by W. ¾ W., then haul up for these marks, keeping them in line, and passing two red buoys on the starboard hand, until abreast of the floating lightboat (at the main entrance of the North Channel), then steer N. 55° W. until abreast of the Black Beacon (marking the limit of the shoal water E.S.E. from South Trees Point), then change course to N. 79° W., passing South Trees Point at a distance of about three cables, and two red buoys on the starboard hand; after the second red buoy is passed (marking the Rich Rock) haul down for the Jetty.

By Night.—Vessels entering the South Channel at night will get on the line of leading lights near the Boyne River before Bustard Head Light bears E.S.E. With the leading lights in line bearing S. 75° W. stand in until the leading lights on Gatcombe Head come into line bearing N. 55° W., when follow these leads until East Point Light is obscured, or until the main light on Gatcombe Head opens out. Then steer N. 69° W. to pass about two cables to the westward of the lightboat marking the inner entrance of North Channel; after passing the lightboat proceed as in directions given for North Channel at night.

NORTH CHANNEL.

By Day.—Same as at present.

By Night.—Bring Gatcombe Head Light to bear S.W. by W. ½ W., and steer in on this course until East Point Light opens out, then haul down S. by W. until Oyster Rock Light comes in sight, then steer to pass about 1½ cables from it, taking care to avoid the shoal bank lying off the land between Settlement Point and Gatcombe Head. After passing the Oyster Rock Light, bring it and Gatcombe Head Light slightly open to the westward and steer to pass the floating white light close on the starboard hand.

A vessel when passing the floating white light will be in the main channel, and a N.W. by W. ½ W. course should be steered up the harbour until the small light at the pilot's cottage at Gatcombe Head opens out on an E. by S. ¾ S. bearing when a vessel may be kept away, being clear of the elbow of the bank and of South Trees Point while the light is in sight.

Before rounding South Trees Point the light at the foot of Auckland Point will be seen. Keep the light open and steer to pass it at a cable's length, and after it changes to red continue until the two red beacon lights are in line, when haul up to enter the creek.

Since the tides run with a velocity of from 1½ to 2½ knots an hour, due caution will have to be observed and a proper allowance made for tidal influence when navigating this channel.

Chart affected, 1900; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 235.

[Third Publication.]

BAY OF BENGAL—ORISSA COAST.

Shortt's island light.

WITH reference to Notice to Mariners No. 215, dated the 31st August 1900, issued by this office, a further telegraphic communication has been received from the Port Officer, Chandbally, stating that a sixth order dioptric fixed light will be exhibited from a masonry tower, Shortt's island, from the night of the 13th September, visible 10 miles in clear weather, between the bearings of North through East to East-South-east, magnetic.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 14th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 236.

[Third Publication.]

AFRICA, EAST—PORT OF MOMBASSA.

A fixed white light at Ras Serani.

THE Port Officer, Mombassa, has given notice, dated 23rd August 1900, that a fixed white light visible at a distance of about 12 miles will be exhibited shortly at Ras Serani. The light will be hoisted on a steel mast 60 feet high placed at the back of the inner pillar, visible from about N. 60° E. through E. to S. 20° W.

Further particulars will be published as soon as the light has been erected and put into working order.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 17th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 237.

[Third Publication.]

INDIA, SOUTH—CEYLON COAST—POINT DE GALLE HARBOUR.

Neptune bastion—Lloyd's signal station established.

THE British Admiralty has given notice (No. 519 of 1900) that the Committee of Lloyd's have given Notice, dated 1st July 1900, that a signal station has been established at Neptune bastion, Point de Galle harbour, to which, any vessel requiring to be reported at night, should make the night signal of her line.

Vessels passing Point de Galle harbour at night, and wishing to indicate that they are calling at Colombo, should show a red light aft in addition to the night signal.

Arrangements have also been made at this station for immediate delivery to vessels at night, weather permitting, of orders for them; the charge for doing this being 20 rupees.

During the day orders will be signalled to vessels on the usual conditions.

The charges for reports from this station are, Day, 10*d.* each, Night, 1*s.* 3*d.*, in addition to the cost of the telegram. (*Notice No. 519 of 1900.*)

Approximate position, lat. 6° 2′ N., long. 80° 12′ E.

This Notice affects the following Admiralty Charts:—Ceylon, South coast, No. 813; Point de Galle harbour, Nos. 819, 820: Also, List of Lights, part VI, 1900, No. 297; West coast of Hindustan Pilot, 1898, page 83, and Bay of Bengal Pilot, 1892, page 57.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 17th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 238.

[Third Publication.]

PACIFIC OCEAN—MARIANA OR LADRONE ISLANDS.

Position of Urracas islands.

THE British Admiralty has given notice (No. 520 of 1900) that the Urracas islands are shown too far to the northward on the Admiralty Charts. The question of the position of those islands has recently been discussed with the following results:—

No observations appear to have been taken actually on the islands themselves, but La Perouse, in 1786, placed Assumption island, off which he anchored, in lat. 19° 45′ N.

From a running survey executed by Captian Beechy, H. M. S. *Blossom*, in 1827, it would appear that the Urracas islands are situated 17 miles N. 25° W. (true) from Assumption island; this would place them in lat. 20° 0′ N., long. 145° 21′ E. As this agrees with the latest reports received by the United States Government, these islands have been placed in this position on the Admiralty Charts. (*Notice No. 520 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific Ocean, No. 781, Mariana islands, No. 1101: Also, China Sea Directory, vol. IV, 1894, page 202.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 17th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 239.

[Third Publication.]

CHINA—CANTON RIVER—THE BROADWAY.

Moto island—Shoal off—Decreased depth extending.

THE British Admiralty has given notice (No. 523 of 1900) that Captain Lans, H.I.M.S. *Ittis*, reports that, owing to the decreased depths of water, his vessel, drawing 12 feet, was unable to proceed further up the river than Moto island, a depth of 6 feet having been obtained with Moto fort bearing N. 23° E., distant 7 cables, and south extreme of Moto island, East.

From this it would appear that the bank between Moto mun and Moto island is extending to the southward. (*Notice No. 523 of 1900.*)

Approximate position, lat. 22° 17′ N., long. 113° 20½′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Hui ling san to Hongkong, No. 2212; Canton river, No. 2562: Also, China Sea Directory, vol. III, 1894, pages 84, 117; and Supplement, 1898, page 11.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 17th September 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 10, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 250.

BAY OF BENGAL—CHITTAGONG COAST.

[First Publication.]

Chittagong river.—Depth of water on the outer bar.

THE Port Officer, Chittagong, has given notice that the water on the outer bar, Chittagong river, now is 9 feet reduced to zero. Mariners are accordingly warned.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 8th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 251.

[First Publication.]

AUSTRALIA, SOUTH—PORT DARWIN ENTRANCE.

Point Emery light.

THE President, Marine Board, Port Adelaide, has given notice (No. 6 of 1900) that a temporary Fixed White Light is now exhibited from Point Emery at a height of 65 feet above high water-mark, and is visible from an ordinary vessel's deck at a distance of 6 miles.

The structure from which the light is shown is built of wood and painted white.

The arc of illumination is from N.W. by N. ½ N. round by W. to S.E. by S. ½ S. Bearings magnetic.

This notice affects Admiralty Charts Nos. 18, 613, and 1044, and Plan 925.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 8th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—(1) Spit Tongue—(2) Liffey Reach—(3) DeSilva shoal.

THE Port Officer, Rangoon, has given notice of the following changes:—

(1) Spit Tongue—Extension of—.

Dated 3rd September.

The three-fathom line of the Spit Tongue has extended about 2¼ cables S. by E., and the extreme east point of the Tongue is now 200 yards due east of the Spit Tongue buoy.

(2) Liffey Reach—A fourteen-feet lump discovered.

Dated 4th September.

A fourteen-feet lump has been discovered in the Liffey Reach and fairly in the centre of the channel. It lies W. by N. (true) of the mouth of the Tanwet Choung creek in the following bearings (true):—

Shwe Dagon	N. 40° W.
Syriam pagoda	N. 76° E.

and is marked by a second class black Conical buoy laid in 22 feet of water reduced 30 yards to the eastward of the patch.

Vessels should keep to the eastward of the buoy, as the water to the westward is doubtful, another lump of 14 feet having been found there.

(3) DeSilva Shoal—A Can buoy placed.

Dated 5th September.

A first class can buoy painted black has been laid at the elbow of DeSilva shoal in 18 feet of water reduced on the following bearings (true) from the buoy:—

Red beacon	N. 29° 00 E.
North beacon	N. 7° 00 E.
Tide Gauge—Choki point	N. 28° 10 N.
Tree beacon above DeSilva point	N. 49° 00 W.
South beacon	South.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 244.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES, NORTH COAST—BABUYAN ISLANDS.

Mabak island—Shoal ledge extending from—.

THE British Admiralty has given notice (No. 538 of 1900) that a narrow shoal ledge is reported to extend for about three-quarters of a mile in a north-westerly direction from the west end of Mabak island.

Position, Mabak island, west point, lat. 18° 53′ N., long. 121° 15′ E.

NOTE.—On the plan of Musa bay on Chart 2454 the longitude of the N.E. point of Mabak island is incorrectly given as 110° 15′ 50″ E.; it should be 121° 15′ 50″ E. *(Notice No. 538 of 1900.)*

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227; and Eastern Archipelago, part I, 1890, page 335.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES—BURIAS ISLAND.

Shoal to the westward of Gorrion island.

THE British Admiralty has given notice (No. 540 of 1900) that a shoal is reported to exist at a distance of 4½ miles N. 78° W. from Gorrion island. It has been placed on the charts as a rock with less than 6 feet over it in this position. (*Notice No 540 of 1900.*)

Approximate position, lat. 12° 50′ N, long. 123° 10′ E.

(*Variation Nil in 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; St. Bernardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, pages 308, 310.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 246.

[Second Publication.]

EASTERN ARCHIPELAGO—BORNEO, EAST COAST.

Shoal reported southward of Ligitan island.

THE British Admiralty has given notice (No. 541 of 1900) that Mr. Kynoch, Master of the S.S. *Mansang*, reports that his vessel, drawing 16 feet, touched on and passed over a shoal situated with the west extreme of Ligitan island bearing N. 16° W., and Sipidan island centre, S. 87° W. As a very slight error in the bearing of Sipidan island (distant 16 miles) would make a considerable difference in the position of the ship, and as it is improbable that a shoal exists outside the bank extending from Ligitan island, but possible that one may be situated on the edge of the 100-fathom line, a shoal of 2¾ fathoms has been placed on the Chart with the west extreme of Ligitan island bearing N. 16° W., distant 2¼ miles, in lat. 4° 7′ 35″ N., long. 118° 53′ 40″ E. (*Notice No. 541 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660 (b); Sulu Archipelago, No. 2576; Sibuko bay, No. 1681: Also, Eastern Archipelago, part I, 1890, page 188; and Revised Supplement, 1898, page 48.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT

NOTICE TO MARINERS—No. 247.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES, BASILAN STRAIT.

Sakol island—Shoal on the north side.

THE British Admiralty has given notice (No. 543 of 1900) that a shoal of coral and sand, with a depth over it of 9 feet, is reported to exist with the north end of Sakol island (in line with north end of Tulnalutan island) bearing S. 84° E., distant 14 cables, and the north-west extreme of the same island S. 51° W. (*Notice No. 543 of 1900.*)

Approximate position, lat. 7° 0′ N., long. 122° 14E′.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admirally Chart:—Basilan strait, No. 961: Also, Eastern Archipelago, part I, 1890, page 99.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 248.

[Second Publication.]

CHINA—SHANTUNG—KYAU CHAU BAY.

Yu nui san—Intended light.

THE British Admiralty has given notice (No. 544 of 1900) that in September 1900, at the earliest an electric *white* light, visible from a distance of 16 miles, will be exhibited from a lighthouse being constructed on Yu nui san, Kyau chau bay.

Yu nui san light will show *white occulting* (light, *one second*; eclipse, *one second*) over an arc of 30°; *white fixed* over an arc of 12°; *white group occulting* (light, *one second*; eclipse, *one second*; light, *one second*; eclipse, three seconds), over an arc of 278°; and will be obscured over an arc of 40°. (*Notice No. 544 of 1900.*)

Approximate position, lat. 36° 2¼′ N., long. 120° 17½ E.

Further notice will be given when particulars are received.

This Notice affects the following Admiralty Chart:—Kyau chau bay, No. 857: Also, List of Lights, part VI, 1900, page 130; and China Sea Directory, vol. III, 1894, page 522; and Supplement, 1898, page 28.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 249.

[Second Publication.]

PACIFIC OCEAN—THE PHILIPPINES—MINDANAO-SIBUGUEI BAY.

Circe and other shoals—Particulars of—.

THE British Admiralty has given notice (No. 548 of 1900) of the following particulars of the Circe and other shoals in Sibuguei bay:—

(*a*) Circe shoal, composed of sand and coral, is one mile long, N.N.W. and S.S.E. and half a mile broad, with a least depth over it of 3 fathoms, from which Pandalusan island bears N. 2° W., distant 11 miles, and south point of Olutanga island S. 83° E.

(*b*) A shoal, the depth on which is not stated, and which has therefore been marked on the Admiralty Chart as a rock with less than 6 feet, exists with Pandalusan island bearing N. 2° E., distant 4¼ miles.

(*c*) A V-shaped reef extends from Pandalusan island in a south-easterly direction for a distance of 1½ miles.

(*d*) The shoal 4½ miles N. 10° E. from Pandalusan island is awash. To the northward of this shoal, as far as Kabut islands, reefs extend from the coast for a distance of from 1 to 2 miles. (*Notice No. 548 of 1900.*)

Approximate position, Pandalusan island, lat. 7° 28′ N., long. 122° 39′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sulu archipelago, No. 2576; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 356; and Revised Supplement, 1898, page 69.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 240.

[Third Publication.]

AUSTRALIA—TORRES STRAIT—INNER ROUTE.

Discoloured water between Percy and High Peak islands.

THE Port Master, Brisbane, has given notice (No. 14 of 1900) that on the 11th August discoloured water was observed between the South-east Islet, Percy Group, and High Peak Island, extending in a West North-west and East South-east direction for about a mile and in a North North-east and South South-west direction for about half-a-mile.

A line drawn from the North-east extreme of the South-east Islet to High Peak Island passes over the discoloured water, from which

High Peak bears South 60° East;

South-east Islet, Northern extremity, bears North 60° West;

Steep Island bears South 4° West.

The locality will be examined at an early date.

Chart affected, No. 346; Australia Directory, vol. 2.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 241.

[Third Publication.]

BAY OF BENGAL—COROMANDEL COAST.

Tranquebar flagstaff removed.

THE Presidency Port Officer, Madras, has given notice, dated 29th August 1900, that the flagstaff at Tranquebar no longer exists. It was taken down in 1889.

This Notice affects the following Admiralty Chart:—Madras to Point Calimere, No. 71d: Also, Bay of Bengal Pilot, 1892, 2nd Edition, page 114.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 242.

[Third Publication.]

AFRICA, NORTH-EAST—GULF OF ADEN, NORTH SHORE.

Aden harbour—The wreck of the "Anadyr."

THE following Notice to Mariners (No. 76 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Port Officer, Aden, dated 1st September 1900, that the wreck of the *Anadyr* being no longer visible above water, a permanent buoy, painted green, has been placed to mark the site of the wreck.

This Notice affects the following Admiralty Chart:—Aden and adjacent Bays, No. 7: Also, Red Sea and Gulf of Aden Pilot, 4th Edition, 1892, page 380.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th September 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 17, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No 252.

First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the outer bar.

WITH reference to Notice to Mariners No. 250, dated the 8th October, issued by this office, a telegraphic communication has been received from the Port Officer, Chittagong, stating that the water in the outer bar of the Old channel is now only 7 feet reduced. All vessels taking pilots are warned that the New channel (not buoyed) has 11 feet reduced.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 253.

[First Publication.]

CHINA—TUNG HAI OR EASTERN SEA.

Great Yang tse bank—Shoal reported to the north-eastward of it.

THE British Admiralty has given notice (No. 560 of 1900) that information, dated 22nd August 1900, has been received from the General Manager of the Peninsular and Oriental Company that the S.S. *Socotra*, drawing 18½ feet, when on a voyage from Japan to Shanghai, struck on a shoal north-eastward of the Great Yang tse bank at 9h. 40m. P.M. on 5th June 1900, in approximately lat. 32° 9′ N., long. 125° 7′ E, and that, when the vessel was subsequently docked, clay and stones were found adhering to the damaged portion of the bottom. A shoal, with a depth of 3 fathoms over it, has in consequence been placed on the Chart in the above position.

It is to be observed that in 1896 the P. and O. S.S. *Shanghai* reported having obtained a sounding of 9 fathoms, just after noon, in lat. 32° 1′ N, long. 125° 9′ E.: the weather at the time was fine, but foggy, and consequently no astronomical observations were obtained. On receipt of this report Notice to Mariners No 312 of 1896 was issue d amended afterwards by Notice to Mariners No. 618 of 1896.

In December 1896 H.M.S. *Plorer* was sent to search for this reported shoal, and sounded over an area of 4 miles without finding any such depths. When this information was received, Notice to Mariners No. 340 of 1897 was issued, expunging the 9-fathom sounding from the Chart.

These are, however, not the only reports of a shoal in this locality, as in 1868 H.M. Surveying Vessel *Sylvia* searched for breakers reported by P.M. S.S. *Costa Rica* in lat. 32° 10′ N., long. 125° 3′ E., without finding any sign of danger, the depths all round being very even (about 25 fathoms) over a space of 15 square miles.

Whilst it is difficult to suppose that a danger could continuously exist on a route so much frequented as that between the Yang tse and Japan without having been more frequently reported, it is evident a bank of some sort must have existed somewhere in the neighbourhood in June last, and, until the area has been thoroughly examined, mariners are warned to avoid the locality.

It is not impossible that such banks may occasionally be formed by the deposit brought down by the Yang tse when in flood, and afterwards dispersed by wave action in the N.E. monsoon. (*Notice No. 560 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 1263; Nipon island, &c., No. 2347; Hongkong to Liau tung gulf, No. 1262; Amoy to Nagasaki, No. 2412: Also, China Sea Directory, vol. III. 1894, page 518; and Suppement, 1898, page 27.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 254.

PACIFIC OCEAN—PHILIPPINES—LUZON—LINGAYEN GULF.

Port Sual—Light not exhibited—Information on shoals.

THE British Admiralty has given notice (No. 565 of 1900) that no light is exhibited on Portuguese point, port Sual, also that "Adela rocks" are in reality a sand spit extending from Mangas point, and that there are several rocky heads in the northern part of the port.

Approximate position, lat. 16° 6′ N., long. 120° 6′ E.

NOTE.—The plan of port Sual on Admiralty Chart No. 2454 must be used with caution. (*Notice No. 565 of 1900.*)

This Notice affects the following Admiralty Charts:—Island of Luzon, No. 2454: Also, List of Lights, part VI, 1900, No. 625; Eastern Archipelago, part I, 1890, pages 44, 45; Revised Supplement, 1898, relating to that work, page 4, and China Sea Directory, vol. II, 1899, pages 321, 322.

E. J. BEAUMONT, COMDR., R I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 255.

PACIFIC OCEAN—PHILIPPINES—LUZON ISLAND.

Shoals westward of Polillo island.

THE British Admiralty has given notice (No. 566 of 1900) that a shoal, with a depth of 9 feet over it, is reported to exist in the channel between Polillo island and Luzon, about midway between S. Miguel and Inagikan point, in approximately lat. 14° 48′ N., long. 121° 54′ E. (*Notice No. 566 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Barnardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, page 337.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 256.

[First Publication.]

PACIFIC OCEAN—NEW CALEDONIA.

Tchio—Custom house—Pilot station, &c.

WITH reference to Notice to Mariners No. 81, dated the 21st April 1899, issued by this office, the British Admiralty has given further notice (No. 567 of 1900) that there

is a Custom house and Pilot station at Tchio. Vessels need not necessarily therefore proceed to Nouméa for the purpose of entry and clearance when bound to Tchio. (*Notice No. 567 of 1900.*)

Approximate position, lat. 21° 37′ S., long. 166° 13′ E.

This Notice affects the following Admiralty Chart:—New Caledonia, No. 936b: Also, Pacific Islands, vol. I, part II, 1893, page 111.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 257.

[First Publication.]

PACIFIC OCEAN—THE PHILLIPINES—MINDANAO, NORTH-EAST COAST.

Reef extending from point Kauit.

THE British Admiralty has given notice (No. 569 of 1900) that it is reported a reef extends north-eastward from point Kauit for a distance of fully 5 miles.

Approximate position, lat. 9° 22′ N., long. 126° 17′ E.

Also, that the islands between Mindanao and Dinagat are very incorrectly charted, and a note to this effect has been placed on the Chart. (*Notice No. 569 of 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 127.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 258.

[First Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head and leading lights—Intended alteration and exhibition.

THE British Admiralty has given notice (No. 572 of 1900) that it is intended to make the following alterations and additions to the lights of port Curtis:—

1. Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, will be exhibited showing the following sectors:—*white* from the bearing of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N. 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.
   It will be shown from a cylindrical tower, 38 feet high, painted white with red dome, now being erected about three-quarters of a cable N. 11° E. from the present light.
   When this light is exhibited the present light will be extinguished.
   Approximate position, lat. 23° 53′ S., long. 151° 23′ E.
2. Near the entrance to the Boyne river, two 4th order leading lights will be established: the front light, elevated 66 feet above high water and visible 12 miles, will be shown from a skeleton tower, 30 feet high, painted white; the rear light, elevated 121 feet above high water and visible 14 miles, will be shown from a square building painted white on a hill at a distance of 9½ cables S. 75° W. from the front light.
   These lights, in line S. 75° W., are intended to lead through the south channel entrance.
3. On the western slope of Gatcombe head two other leading lights will be established: the front light, elevated 32 feet above high water, will be shown from a small house; and the rear light, elevated 66 feet above high water, from a skeleton tower.

It is expected that these leading lights will be ready for exhibition shortly, but further notice on the subject will be given. (*Notice No. 572 of 1900.*)

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 259.

[First Publication.]

AUSTRALIA, EAST COAST.

Pipon island light – Intended exhibition of and withdrawal of channel rock light-vessel.

THE British Admiralty has given notice (No. 574 of 1900) that, on or about 15th November 1900, a dioptric *fixed* light of the 4th order would be exhibited from the southern island of the Pipon group.

Pipon island light will be elevated 55 feet above high water, and visible in clear weather from a distance of 13 miles, and will show the following sectors:—*White* from the bearing of N. 72° W., through north, to N. 53° E.; *red* from N. 53° E. to N. 76° E.; *white* from N. 76° E. to N. 88° E.

It will be exhibited from a skeleton tower 60 feet high, and painted red, erected on the southern island in lat. 14° 7′ 20″ S., long. 144° 30′ 50″ E.

When this light is exhibited Channel rock light-vessel will be withdrawn.

Further notice will be given when information has been received that these alterations have been made. (*Notice No. 574 of 1900.*)

(*Variation 5° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Turtle group to Claremont point, No. 2922: Also, List of Lights, part VI, 1900, page 214, No. 1328; and Australia Directory, vol. II, 1898, page 365.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 260.

[First Publication.]

AUSTRALIA, EAST COAST—GRAFTON PASSAGE.

Shoal soundings obtained.

THE British Admiralty has given notice (No. 575 of 1900) that information, dated 1st June 1900, has been received from Commander N. G. Macalister, H. M. S. *Torch*, that the following shoal soundings were obtained from his vessel when passing through Grafton passage:—

1. A sounding of 8 fathoms with summit of Fitzroy island bearing S. 31° W., and False cape S. 60° W.
   Approximate position, lat. 16° 45′ S., long. 146° 8′ E.
2. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and False cape S. 58° W.
3. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and Euston reef centre S. 58° E. (*Notice No. 575 of 1900.*)

(*Variation 6° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Grafton to Hope islands, No. 2924; Double island to cape Grafton, No. 2350: Also, Australia Directory, vol. II, 1898, page 376.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 261.

[First Publication.]

AUSTRALIA—NORTH-WEST COAST.

Non-existence of Eldorado rocks and Squaw shoals.

THE British Admiralty has given notice (No. 576 of 1900) respecting an unsuccessful search for the undermentioned rocks and shoal off the north-west coast of Australia:—

1. ELDORADO ROCKS, in approximately lat. 18° 20′ S., long. 117° 45′ E., were searched for over an area of 230 square miles in their reported locality, in exceptionally clear and fine whether. Nothing, however, was seen or any indication of shoal water found, the soundings of from 160 to 350 fathoms, showing a gradual slope of the bottom to the north-westward.

   These rocks were reported to have been seen from a distance of 5 or 6 miles by M. Pertis, of the French ship *Eldorado*, on 20th May 1879, the weather at the time being cloudy with rain, and a sounding of 105 fathoms being also obtained. They appeared to consist of two rocks from 16 to 18 feet high. In 1880 the Admiralty surveying vessel *Meda* devoted several days to the search for these rocks without seeing them, and, as the *Penguin* has now been equally unsuccessful, it is considered that these rocks do not exist, and they have consequently been erased from the Charts.

2. SQUAW SHOAL, reported in 1860 as a dangerous 10-feet patch, in approximately lat. 20° 41′ S., long. 114° 17′ E., was also searched for without effect. An area of 200 square miles was sounded over in the reported vicinity of this shoal, during exceptionally clear and fine weather, with a very long ocean swell, and the bottom was found to have a gradual slope to the north-westward, the depth over the reported position being 539 fathoms globigerina ooze.

   The German frigate *Gazelle* in 1875, and the Admiralty surveying vessel *Meda* in 1880, passed over the assigned position of this danger, and H. M. surveying vessel *Penguin* on a previous voyage in 1891 passed within 1½ miles of it without seeing any indication of shoal water. It is therefore considered that this shoal cannot exist, and it has been erased from the Charts. (*Notice No. 576 of 1900.*)

This Notice affects the following Admiralty Charts:—Indian ocean, No. 748a; Australia, northern portion, No. 2759a; Bedout island to cape Cuvier, No. 1055; North-west coast of Australia, No. 475; Buccaneer Archipelago to Bedout island, No. 1048: Also, Australia Directory, vol. III, 1895, pages 271, 302; and Supplement, 1898, relating to that work, page 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 262.

[First Publication.]

CHINA—PE CHILI STRAIT.

Rock in Chang Shan channel.

THE British Admiralty has given notice (No. 585 of 1900) of the existence of a sunken ledge in Chang Shan channel, gulf of Pe Chili.

This ledge, which is of small extent, has a depth of 3½ fathoms over it, and is situated with Rock (25 feet high) bearing S. 18° W., distant four cables, and the north-east extreme of Chang Shan island, S. 63° E. (*Notice No. 585 of 1900.*)

Approximate position, lat. 38° 0′ 30″ N., long. 120° 40′ 20″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Pe Chili and Lain tung gulfs, No. 1256; Kyau chau bay to Maiu-tau strait, No. 1255; Pe Chili strait, No. 1392: Also, China Sea Directory, vol. III, 1894, page 567.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 263.

[First Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Leading lights and light-vessel established in English Pass.

THE British Admiralty has given notice (No. 588 of 1900) that *white fixed* lights are now shown from the white stone pillar on Bet-el-Ras, and also from the mast on the edge of the reef. These two lights which, when in line bear N. E. ½ E., lead clear of the turning buoy into the harbour.

A small vessel showing a *red fixed* light, visible 2 miles, has been moored between the red buoys in English pass. (*Notice No. 588 of 1900.*)

Approximate position, lat. 6° 7′ 45″ S., long. 39° 12′ 25″ E.

This Notice affects the following Admiralty Charts:—Pangani to Ras Kimbiji, &c., No. 640b: Zanzibar harbour, No. 665: Also, List of Lights, part VI, 1900, page 20; African Pilot, part III, 1897, page 440.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 264.

[First Publication.]

NEW ZEALAND—NORTH ISLAND.

East island—Light exibited.

WITH reference to Notice to Mariners No. 13, dated the 20th January 1900, issued by this office, the British Admiralty has given further notice (No. 595 of 1900) that a dioptric light of the 2nd order was exibited from the lighthouse on East island off East cape on the 9th August 1900.

East island light is a *flashing white* light *every ten seconds;* it is elevated 362 feet above high water, and visible in clear weather from a distance of 22 miles, seaward, over an arc of about 280°, or as far as the land will permit.

The lighthouse is an iron tower 69 feet high, painted white. (*Notice No. 595 of 1900.*)

Approximate position, lat. 37° 40′ S., long. 178° 36′ E.

This Notice affects the following Admiralty Charts:—New Zealand, No. 1212; Mayor island to Poverty bay, No. 2527: Also, List of Lights, part VI, 1900, No. 1411; and New Zealand Pilot, 1891, page 147.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 265.

[First Publication.]

AUSTRALIA.

Gatcombe head light—Notices Nos. 11 and 15 amended.

WITH reference to Notice to Mariners No. 200, dated 11th August last, issued by this office, the Port Master, Brisbane, has given notice (No. 16 of 1900) that the sectors of the Gatcombe Head Light have been re-adjusted as follows, namely:—

White between S. 46 W. and N. 71 W. (Intensified on northern edge.)
Obscured between N. 71 W. and N. 46 W.
White between N. 46 W. and N. 17 E.
Red between N. 17 E. and N. 37 E.
White between N. 37 E. and N. 65 E.
Obscured between N. 65 E. and S. 46 W.

Between the bearings of S. 46 W. and about S. 42 W. a dim light is visible, which must not be mistaken for the white sector to the southward.

Bearings are magnetic and from seaward.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 5th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 250.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river.—Depth of water on the outer bar.

THE Port Officer, Chittagong, has given notice that the water on the outer bar, Chittagong river, now is 9 feet reduced to zero. Mariners are accordingly warned.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 8th October 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 251.

[Second Publication.]

AUSTRALIA, SOUTH—PORT DARWIN ENTRANCE.

Point Emery light.

THE President, Marine Board, Port Adelaide, has given notice (No. 6 of 1900) that a temporary Fixed White Light is now exhibited from Point Emery at a height of 65 feet above high water-mark, and is visible from an ordinary vessel's deck at a distance of 6 miles.

The structure from which the light is shown is built of wood and painted white.

The arc of illumination is from N.W. by N. ½ N. round by W. to S.E. by S. ½ S. Bearings magnetic.

This notice affects Admiralty Charts Nos. 18, 613, and 1044, and Plan 925.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 8th October 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 243.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

Rangoon river—(1) Spit Tongue—(2) Liffey Reach—(3) DeSilva shoal.

THE Port Officer, Rangoon, has given notice of the following changes:—

(1) Spit Tongue—Extension of—.

Dated 3rd September.

The three-fathom line of the Spit Tongue has extended about 2¼ cables S. by E., and the extreme east point of the Tongue is now 200 yards due east of the Spit Tongue buoy.

(2) Liffey Reach—A fourteen-feet lump discovered.

Dated 4th September.

A fourteen-feet lump has been discovered in the Liffey Reach and fairly in the centre of the channel. It lies W. by N. (true) of the mouth of the Tanwet Choung creek in the following bearings (true):—

Shwe Dagon	...	...	...	...	N. 40° W.
Syriam pagoda	...	...	...	...	N. 76° E.

and is marked by a second class black Conical buoy laid in 22 feet of water reduced 30 yards to the eastward of the patch.

Vessels should keep to the eastward of the buoy, as the water to the westward is doubtful, another lump of 14 feet having been found there.

(3) DeSilva Shoal—A Can buoy placed.

Dated 5th September.

A first class can buoy painted black has been laid at the elbow of DeSilva shoal in 18 feet of water reduced on the following bearings (true) from the buoy:—

Red beacon	... N. 29° 00 E.
North beacon	... N. 7° 00 E.
Tide Gauge—Choki point ...	... N. 28° 10 N.
Tree beacon above DeSilva point	... N. 49° 00 W.
South beacon	... South.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 244.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES, NORTH COAST—BABUYAN ISLANDS.

Mabak island—Shoal ledge extending from—.

THE British Admiralty has given notice (No. 538 of 1900) that a narrow shoal ledge if reported to extend for about three-quarters of a mile in a north-westerly direction from the west end of Mabak island.

Position, Mabak island, west point, lat. 18° 53′ N., long. 121° 15′ E.

NOTE.—On the plan of Musa bay on Chart 2454 the longitude of the N.E. point of Mabak island is incorrectly given as 110° 15′ 50″ E.; it should be 121° 15′ 50″ E. *(Notice No. 538 of 1900.)*

This Notice affects the following Admiralty Chart:—Luzon island, No. 2454: Also, China Sea Directory, vol. III, 1894, page 227; and Eastern Archipelago, part I, 1890, page 335.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 245.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES—BURIAS ISLAND.

Shoal to the westward of Gorrion island.

THE British Admiralty has given notice (No. 540 of 1900) that a shoal is reported to exist at a distance of 4½ miles N. 78° W. from Gorrion island. It has been placed on the charts as a rock with less than 6 feet over it in this position. *(Notice No 540 of 1900.)*

Approximate position, lat. 12° 50′ N., long. 123° 10′ E.

(Variation Nil in 1900.)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; St. Bernardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, pages 308, 310.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 28th September 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 246.

[Third Publication.]

EASTERN ARCHIPELAGO—BORNEO, EAST COAST.

Shoal reported southward of Ligitan island.

THE British Admiralty has given notice (No. 541 of 1900) that Mr. Kynoch, Master of the S.S. *Mansang*, reports that his vessel, drawing 16 feet, touched on and passed over a shoal situated with the west extreme of Ligitan island bearing N. 16° W., and Sipidan island centre, S. 87° W. As a very slight error in the bearing of Sipidan island (distant 16 miles) would make a considerable difference in the position of the ship, and as it is improbable that a shoal exists outside the bank extending from Ligitan island, but possible that one may be situated on the edge of the 100-fathom line, a shoal of 2¾ fathoms has been placed on the Chart with the west extreme of Ligitan island bearing N. 16° W., distant 2¼ miles, in lat. 4° 7′ 35″ N., long. 118° 53′ 40″ E. (*Notice No. 541 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2660 (b); Sulu Archipelago, No. 2576; Sibuko bay, No. 1681: Also, Eastern Archipelago, part I, 1890, page 188; and Revised Supplement, 1898, page 48.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 247.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES, BASILAN STRAIT.

Sakol island—Shoal on the north side.

THE British Admiralty has given notice (No. 543 of 1900) that a shoal of coral and sand, with a depth over it of 9 feet, is reported to exist with the north end of Sakol island (in line with north end of Tulnalutan island) bearing S. 84° E., distant 14 cables, and the north-west extreme of the same island S. 51° W. (*Notice No. 543 of 1900.*)

Approximate position, lat. 7° 0′ N., long. 122° 14E′.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Basilan strait, No. 961: Also, Eastern Archipelago, part I, 1890, page 99.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 248.

[Third Publication.]

CHINA—SHANTUNG—KYAU CHAU BAY.

Yu nui san—Intended light.

THE British Admiralty has given notice (No. 544 of 1900) that in September 1900, at the earliest an electric *white* light, visible from a distance of 16 miles, will be exhibited from a lighthouse being constructed on Yu nui san, Kyau chau bay.

Yu nui san light will show *white occulting* (light, *one second*; eclipse, *one second*) over an arc of 30°; *white fixed* over an arc of 12°; *white group occulting* (light, *one second*; eclipse, *one second*; light, *one second*; eclipse, three seconds), over an arc of 278°; and will be obscured over an arc of 40°. (*Notice No. 544 of 1900.*)

Approximate position, lat. 36° 2½′ N., long. 120° 17½ E.

Further notice will be given when particulars are received.

This Notice affects the following Admiralty Chart:—Kyau chau bay, No. 857: Also, List of Lights, part VI, 1900, page 130; and China Sea Directory, vol. III, 1894, page 522; and Supplement, 1898, page 28.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 249.

[Third Publication.]

PACIFIC OCEAN—THE PHILIPPINES—MINDANAO-SIBUGUEI BAY.

Circe and other shoals—Particulars of—.

THE British Admiralty has given notice (No. 548 of 1900) of the following particulars of the Circe and other shoals in Sibuguei bay:—

(*a*) Circe shoal, composed of sand and coral, is one mile long, N.N.W. and S.S.E. and half a mile broad, with a least depth over it of 3 fathoms, from which Pandalusan island bears N. 2° W., distant 11 miles, and south point of Olutanga island S. 83° E.

(*b*) A shoal, the depth on which is not stated, and which has therefore been marked on the Admiralty Chart as a rock with less than 6 feet, exists with Pandalusan island bearing N. 2° E., distant 4¼ miles.

(*c*) A V-shaped reef extends from Pandalusan island in a south-easterly direction for a distance of 1½ miles.

(*d*) The shoal 4½ miles N. 10° E. from Pandalusan island is awash. To the northward of this shoal, as far as Kabut islands, reefs extend from the coast for a distance of from 1 to 2 miles. (*Notice No. 548 of 1900.*)

Approximate position, Pandalusan island, lat. 7° 28′ N., long. 122° 39′ E.

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sulu archipelago, No. 2576; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 356; and Revised Supplement, 1898, page 69.

W. B. HUDDLESTON, LIEUT., R.I.M.,
Acting Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 28th September 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 17, 1900.

THE COMMISSIONERS FOR THE PORT OF CALCUTTA.

AUDITORS' REPORT ON THE PORT COMMISSIONERS' ACCOUNTS FOR 1899-1900.

No. $\frac{\text{L.A.}}{355}$.

FROM

THE AUDITORS OF THE ACCOUNTS OF THE COMMISSIONERS FOR THE PORT OF CALCUTTA,

To

THE COMMISSIONERS FOR THE PORT OF CALCUTTA.

Dated Calcutta, the 13th September 1900.

GENTLEMEN,

WE have the honour to report that the Cash and Store Accounts maintained in your office for the year ending 31st March 1900 have been audited under our supervision and by our direction, and, subject to the exceptions pointed out in the appended note, have been found correct.

2. We append statements (1) of Receipts and Expenditure during the year under audit, (2) of Assets and Liabilities on the 31st March 1900, and (3) a General Summary of Income and Expenditure from the 1st April 1899 to 31st March 1900, comparing the original and supplementary estimates with the actual income and expenditure as obtained from your books.

We have the honour to be,
GENTLEMEN,
Your most obedient servants,

J. C. E. BRANSON,
Accountant-General, Bengal.

G. C. RAY,
Examiner of Local Accounts in Bengal.

PUBLISHED under the provisions of section 76 (2) of Act III of 1890.

By order of the Commissioners,

R. A. DONNITHORNE,
Secretary.

APPENDIX I—*continued.*

Statement of Receipts for the year 1899-1900.

PARTICULARS.	Part I.	Part II.	Part III.	Part IV.	Part V.	Part VI.	Part VII.	Part VIII.	Special toll.	Total.
1	2	3	4	5	6	7	8	9	10	11
RECEIPTS DISTRIBUTED.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Receipts from Hopper Barges	1,961 6 8	1,307 9 10	.....	1,307 9 10	.....	.....	.....	1,961 6 8	.....	6,538 1 6
Interest on securities invested for reserve funds	8,250 0 0	.....	.....	12,222 0 0	.....	.....	9,065 0 0	.....	.....	29,537 0 6
RECEIPTS WHOLLY CREDITED TO THE SEVERAL PARTS.										
etty charges for loading and unloading vessels.	11,87,650 8 9	.....	.....	.....	.....	.....	.....	.....	.....	11,87,650 8 9
Receipts from petroleum wharf	4,37,582 4 10	.....	.....	.....	.....	.....	.....	.....	.....	4,37,582 4 10
Ditto tea warehouse	1,04,508 11 1	.....	.....	.....	.....	.....	.....	.....	.....	1,04,508 11 1
Sale of condemned stores	1,588 11 8	787 12 6	193 15 8	848 3 6	.....	3,209 8 10	3,991 6 11	.....	.....	10,619 11 1
Percentage realised on repairs done to the Howrah Bridge.	5,096 7 1	.....	.....	.....	.....	.....	.....	.....	.....	5,096 7 1
Miscellaneous receipts	6,142 0 0	1,473 10 8	18,617 3 3	757 6 10	.....	519 10 6	156 8 1	.....	.....	27,665 7 4
Receipts from inland vessels' wharves	.....	4,20,644 9 9	.....	.....	.....	.....	.....	.....	.....	4,20,644 9 9
Ditto Sibpur char land	.....	1,06,965 5 8	.....	.....	.....	.....	.....	.....	.....	1,06,965 5 8
Ditto Strand Bank lands	.....	.....	1,64,726 11 6	.....	.....	.....	.....	.....	.....	1,64,726 11 6
Ditto Mooring hire	.....	.....	.....	2,94,537 9 0	.....	.....	.....	.....	.....	2,94,537 9 0
Ditto Harbour Master's earnings ...	.....	.....	.....	1,99,665 2 0	.....	.....	.....	.....	.....	1,99,665 2 0
Ditto Wreck and Anchor	.....	.....	.....	2,034 14 7	.....	.....	.....	.....	.....	2,034 14 7
Ditto Moyapore magazine	.....	.....	.....	6,517 10 9	.....	.....	.....	.....	.....	6,517 10 9
Ditto licensing of cargo and passenger boats.	.....	.....	.....	26,314 12 0	.....	.....	.....	.....	.....	26,314 12 0
Receipts from Government subsidy for collecting pilotage.	.....	.....	.....	2,800 0 0	.....	.....	.....	.....	.....	2,800 0 0
Receipts from contribution for River Police ...	.....	.....	.....	2,672 1 3	.....	.....	.....	.....	.....	2,672 1 3
Ditto earnings of tug *Hetty, Rescue*, &c.	.....	.....	.....	22,861 11 0	.....	.....	.....	.....	.....	22,861 11 0
4 per cent. 15 Lakh Debenture Loan of 1899 ...	.....	.....	.....	.....	15,00,000 0 0	.....	.....	.....	.....	15,00,000 0 0
Contribution from Revenue for repayment of Government consolidated loan.	.....	.....	.....	.....	2,02,139 4 7	.....	.....	.....	.....	2,02,139 4 7
Sinking Fund of Debenture Loan of 1881... ...	.....	.....	.....	.....	39,620 2 11	.....	.....	.....	.....	39,620 2 11
Trustees of Sinking Fund of Debenture Loan of 1881.	.....	.....	.....	.....	39,200 12 3	.....	.....	.....	.....	39,200 12 3
Sinking Fund of Debenture Loan of 1883 ...	.....	.....	.....	.....	76,126 14 6	.....	.....	.....	.....	76,126 14 6
Trustees of Sinking Fund of Debenture Loan of 1883.	.....	.....	.....	.....	76,056 0 0	.....	.....	.....	.....	76,056 0 0
Sinking Fund of Debenture Loan of 1886 ...	.....	.....	.....	.....	99,420 15 6	.....	.....	.....	.....	99,420 15 6
Trustees of Sinking Fund of Debenture Loan of 1886.	.....	.....	.....	.....	98,123 4 9	.....	.....	.....	.....	98,123 4 9
Sinking Fund of 1st Debenture Loan of 1895	.....	.....	.....	.....	3,700 9 3	.....	.....	.....	.....	3,700 9 3
Trustees of Sinking Fund ditto ...	.....	.....	.....	.....	3,770 2 8	.....	.....	.....	.....	3,770 2 5
Sinking Fund of 2nd Debenture Loan of 1895	.....	.....	.....	.....	39,207 9 5	.....	.....	.....	.....	39,207 9 8
Trustees of Sinking Fund ditto ...	.....	.....	.....	.....	39,551 1 4	.....	.....	.....	.....	39,551 1 4
Sinking Fund of Debenture Loan of 1897	.....	.....	.....	.....	35,940 2 2	.....	.....	.....	.....	35,940 2 2
Trustees of Sinking Fund ditto ...	.....	.....	.....	.....	36,094 6 4	.....	.....	.....	.....	36,094 6
Sinking Fund of 1st Debenture Loan of 1899 ...	.....	.....	.....	.....	27,439 5 2	.....	.....	.....	.....	27,439 5 2

Trustees of Ditto Ditto ...	.....	.....	.....	.....	24,747 15 1	.....	.....	.....	.....	24,747 15 1
Sinking Fund of 2nd Ditto ...	.....	.....	.....	.....	16,539 13 3	.....	.....	.....	.....	16,539 13 3
Trustees of Ditto Ditto ..	.....	.....	.....	.....	15,744 6 8	.....	.....	.....	.....	15,744 6 8
Depreciation Fund of Port Approaches	.....	.....	.....	.....	50,000 0 0	.....	.....	.....	.....	50,000 0 0
Contribution from Revenue for new works ...	.....	.....	.....	.....	8,339 0 2	.....	.....	.....	.....	8,339 0 2
Investment of Depreciation Fund of Port ...	.....	.....	.....	.....	477 4 1	.....	.....	.....	.....	477 4 1
Compounding Stamp duty on 12½ Lakh Debenture Loan of 1899.	.....	.....	.....	.....	6,250 0 0	.....	.....	.....	.....	6,250 0 0
Depreciation of Port Block	.....	.....	.....	.....	44,188 0 0	.....	.....	.....	.....	44,188 0 0
Ditto Fund Account of Port	.....	.....	.....	.....	1,10,220 0 0	.....	.....	.....	.....	1,10,220 0 0
Interest on Fixed deposits in the Bank of Bengal.	.....	.....	.....	.....	10,000 0 0	.....	.....	.....	.....	10,000 0 0
Sale of land at Shalimar to B. N. Railway ...	.....	.....	.....	.....	2,31,045 5 6	.....	.....	.....	.....	2,31,045 5 6
Investment of Fire Insurance Fund	.....	.....	.....	.....	136 5 8	.....	.....	.....	.....	136 5 8
Block of Port Approaches	.....	.....	.....	.....	3,16,156 0 1	.....	.....	.....	.....	3,16,156 0 1
Block of Port	.....	.....	.....	.....	55,110 0 0	.....	.....	.....	.....	55,110 0 0
Fire Insurance Fund	.....	.....	.....	.....	16,534 4 4	.....	.....	.....	.....	16,534 4 4
Investment of Depreciation Fund of Port Approaches.	.....	.....	.....	.....	432 4 2	.....	.....	.....	.....	432 4 2
Premium on 15 lakhs Debenture Loan of 1899 ...	.....	.....	.....	.....	45,482 8 0	.....	.....	.....	.....	45,482 8 0
Suspense Account	.....	.....	.....	.....	2,68,197 1 0	.....	.....	.....	.....	2,68,197 1 0
Deposit Account	.....	.....	.....	.....	4,925 15 8	.....	.....	.....	.....	4,925 15 8
Stock	.....	.....	.....	.....	5,26,549 8 0	.....	.....	.....	.....	5,26,549 8 0
Invoice of imported goods	.....	.....	.....	.....	66,107 8 8	.....	.....	.....	.....	66,107 8 8
Receipts from P. T. Railway	.....	.....	.....	.....	.....	4,43,675 1 10	.....	.....	.....	4,43,675 1 10
Receipts from Shalimar branch	.....	.....	.....	.....	.....	48,669 8 6	.....	.....	.....	48,669 8 6
Receipts from Port Dues	.....	.....	.....	.....	.....	.....	4,81,793 1 0	.....	.....	4,81,793 1 0
Earnings of Anchor Vessels	.....	.....	.....	.....	.....	.....	1,778 4 11	.....	.....	1,778 4 11
Sale of charts and tide tables	.....	.....	.....	.....	.....	.....	205 8 0	.....	.....	205 8 0
Receipts from Graving Dock	.....	.....	.....	.....	.....	.....	.....	1,58,334 2 0	.....	1,58,334 2 0
Ditto Dock imports	.....	.....	.....	.....	.....	.....	.....	25,541 3 1	.....	25,541 3 1
Ditto Dock exports	.....	.....	.....	.....	.....	.....	.....	13,57,226 1 7	.....	13,57,226 1 7
Ditto rent and miscellaneous	.....	.....	.....	.....	.....	.....	.....	1,07,000 10 9	.....	1,07,000 10 9
Transfers from special toll	.....	.....	.....	.....	.....	.....	.....	9,48,000 0 0	.....	9,48,000 0 0
Receipts from special toll	.....	.....	.....	.....	.....	.....	.....	.....	9,68,012 9 9	9,68,012 9 9
	17,52,780 2 1	5,31,178 0 5	1,83,537 14 5	5,72,539 0 9	41,33,573 15 2	4,96,013 13 8	4,96,989 12 11	25,98,063 8 1	9,68,012 9 9	1,17,32,688 13 3
Balance on 1st April 1899 ...	22,25,987 12 4	3,87,705 6 2	3,37,520 1 7	.....	2,76,529 15 5	2,79,633 0 2	.....	.....	.....	42,07,446 3 8
	39,78,767 14 5	9,18,883 6 7	5,21,058 0 0	5,72,539 0 9	51,10,173 14 7	7,75,646 13 10	4,96,989 12 11	25,98,063 8 1	9,68,012 9 9	1,59,40,135 0 11
Revenue loss on 31st March 1900 ...	.....	.....	.....	4,27,895 4 7	.....	.....	5,08,419 15 0	23,48,791 11 9	1,264 9 3	32,86,371 8 7
Deficit on 31st March 1900 ...	.....	.....	.....	.....	1,30,551 11 11	.....	.....	.....	.....	1,30,551 11 11
Total ...	39,78,767 14 5	9,18,883 6 7	5,21,058 0 0	10,00,434 5 4	52,40,725 10 6	7,75,646 13 10	10,05,409 11 11	49,46,855 3 10	9,69,277 3 0	1,93,57,058 5 5

APPENDIX I—*continued.*

Statement of Expenditure for the year 1899-1900.

PARTICULARS.	Part I.	Part II.	Part III.	Part IV.	Part V.	Part VI.	Part VII.	Part VIII.	Special toll.	Total.
1	2	3	4	5	6	7	8	9	10	11
CHARGES DISTRIBUTED.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Control establishment	44,167 0 6	22,083 8 2	11,041 12 1	44,167 0 6	.....	11,041 12 1	22,083 8 2	44,167 0 6	.....	1,98,751 10 0
Dredger expenses	23,435 7 10	15,623 10 7	.....	15,623 10 8	.....	.....	.....	23,435 7 11	.....	78,118 5 0
Interest and Sinking Fund on loans	3,85,863 12 2	2,53,345 15 0	18,270 15 10	1,06,353 11 0	.....	1,28,386 1 4	52,757 1 0	2,03,664 13 6	.....	11,48,351 5 10
Engineering establishment	15,389 9 11	7,694 12 11	7,694 12 11	.....	.....	7,694 12 11	.....	23,084 6 10	.....	61,558 7 6
Repairs to officers' quarters	426 8 4	170 9 8	.....	426 8 4	.....	.....	.....	.....	.....	1,023 10 4
Municipal taxes, repairs, &c., to Dockyard ...	7,909 7 1	1,977 5 9	1,977 5 9	7,909 7 1	.....	1,977 5 9	3,954 10 7	5,932 1 4	.....	31,637 11 4
Establishment of Traffic Department	13,335 13 9	6,667 14 10	6,667 14 10	.....	.....	13,335 13 9	.....	13,335 13 8	.....	53,343 6 10
Municipal taxes	41,447 0 0	502 0 0	13,063 0 0	1,507 0 0	.....	4,522 0 0	251 0 0	502 0 0	.....	61,794 0 0
CHARGES WHOLLY DEBITED TO SEVERAL PARTS.										
Establishment *	2,45,685 11 11	64,983 10 1	5,464 8 3	2,59,293 12 8	.....	77,145 5 7	2,11,982 10 5	3,32,841 14 8	20,888 15 1	12,17,696 8
Working expenses	3,67,144 4 10	6,478 11 5	.....	48,749 10 11	.....	1,50,340 14 7	1,42,767 8 3	11,69,991 13 2	.....	18,95,472 15 2
Repairs to jetties, wharves and buildings, &c. ...	85,694 2 10	78,139 2 3	8,637 0 11	.....	.....	.....	.....	35,907 15 3	.....	2,08,288 5 3
Do. tools and plant	33,387 2 11	.....	.....	.....	.....	.....	.....	.....	.....	33,387 2 11
Pensions and compassionate allowances	11,792 12 10	766 9 7	.....	27,282 2 6	.....	240 0 0	87 12 0	.....	.....	40,169 4 11
Sibpur char land	.....	8,983 3 6	.....	.....	.....	.....	.....	.....	.....	8,983 3 6
Renewals and improvements	.....	21,577 5 0	.....	.....	.....	.....	.....	.....	.....	21,577 5 0
Insurance	.....	.....	6,634 4 0	.....	.....	.....	.....	.....	.....	6,634 4 0
Rent of Strand Bank lands paid to Government.	.....	.....	37,292 0 0	.....	.....	.....	.....	.....	.....	37,292 0 0
River Police establishment	.....	.....	.....	50,552 14 1	.....	.....	.....	.....	.....	50,552 14 1
Moordafarash ditto	.....	.....	.....	1,814 2 8	.....	.....	.....	.....	.....	1,814 2 8
Depreciation account	.....	.....	.....	55,110 0 0	.....	.....	50,000 0 0	.....	.....	1,05,110 0 0
Repairs to boats and vessels, &c.	.....	.....	.....	66,433 12 1	.....	.....	96,264 13 2	.....	.....	1,62,698 9 3
Repayment of Government consolidated loan ...	.....	.....	.....	.....	2,02,139 4 7	.....	.....	.....	.....	2,02,139 4 7
Sinking Fund of Debenture Loan of 1881 ...	.....	.....	.....	.....	599 5 4	.....	.....	.....	.....	599 5 4
Trustees of Sinking Fund of Debenture Loan of 1881.	.....	.....	.....	.....	39,620 2 11	.....	.....	.....	.....	39,620 2 11
Investment of Sinking Fund of Debenture Loan of 1881.	.....	.....	.....	.....	38,601 6 11	.....	.....	.....	.....	38,601 6 11
Sinking Fund of Debenture Loan of 1883 ...	.....	.....	.....	.....	1,468 1 2	.....	.....	.....	.....	1,468 1 2
Trustees of Sinking Fund of Debenture Loan of 1883.	.....	.....	.....	.....	76,126 14 6	.....	.....	.....	.....	76,126 14 6
Investment of Sinking Fund of Debenture Loan of 1883.	.....	.....	.....	.....	74,587 14 10	.....	.....	.....	.....	74,587 14 10
Sinking Fund of Debenture Loan of 1886 ...	.....	.....	.....	.....	1,263 5 1	.....	.....	.....	.....	1,263 5 1
Trustees of Sinking Fund of Debenture Loan of 1886.	.....	.....	.....	.....	99,420 15 6	.....	.....	.....	.....	99,420 15 6
Investment of Sinking Fund of Debenture Loan of 1886.	.....	.....	.....	.....	96,859 15 8	.....	.....	.....	.....	96,859 15 8
Sinking Fund of 1st Debenture Loan of 1895 ...	.....	.....	.....	.....	56 7 5	.....	.....	.....	.....	56 7 5
Trustees of Sinking Fund of 1st Debenture Loan of 1895.	.....	.....	.....	.....	3,700 9 3	.....	.....	.....	.....	3,700 9 3
Investment of Sinking Fund of 1st Debenture Loan of 1895.	.....	.....	.....	.....	3,713 11 3	.....	.....	.....	.....	3,713 11 3

Sinking Fund of 2nd Debenture Loan of 1895 ...	.....	.....	.....	.....	467 11 5	.....	.....	.....	.....		467 11 5
Trustees of Sinking Fund of 2nd Debenture Loan of 1895.	.....	.....	.....	.....	32,207 9 5	.....	.....	.....	.....		32,207 9 5
Investment of Sinking Fund of 2nd Debenture Loan of 1895.	.....	.....	.....	.....	32,083 5 11	.....	.....	.....	.....		32,083 5 11
Sinking Fund of Debenture Loan of 1897 ...	.....	.....	.....	.....	1,196 5 6	.....	.....	.....	.....		1,196 5 6
Trustees of ditto ditto ...	.....	.....	.....	.....	35,940 2 2	.....	.....	.....	.....		35,940 2 2
Investment of ditto ditto ...	.....	.....	.....	.....	34,898 0 10	.....	.....	.....	.....		34,898 0 10
Sinking Fund of 1st Debenture Loan of 1899 ...	.....	.....	.....	.....	481 8 10	.....	.....	.....	.....		481 8 10
Trustees of Sinking Fund of ditto ...	.....	.....	.....	.....	27,433 5 2	.....	.....	.....	.....		27,433 5 2
Investment of ditto ditto ...	.....	.....	.....	.....	24,266 6 3	.....	.....	.....	.....		24,266 6 3
Sinking Fund of 2nd Debenture Loan of 1899 ...	.....	.....	.....	.....	269 12 3	.....	.....	.....	.....		269 12 3
Trustees of Sinking Fund of ditto ...	.....	.....	.....	.....	16,539 13 3	.....	.....	.....	.....		16,539 13 3
Investment of ditto ditto ...	.....	.....	.....	.....	15,474 10 5	.....	.....	.....	.....		15,474 10 5
Investment of Depreciation Fund of Port Approaches.	.....	.....	.....	.....	40,325 6 2	.....	.....	.....	.....		40,325 6 2
Investment of Fire Insurance Fund	.....	.....	.....	.....	15,466 5 8	.....	.....	.....	.....		15,466 5 8
Investment of Depreciation Fund of Port ...	.....	.....	.....	.....	54,131 4 1	.....	.....	.....	.....		54,131 4 1
Fire Insurance Fund	.....	.....	.....	.....	138 0 2	.....	.....	.....	.....		138 0 2
Suspense Account	.....	.....	.....	.....	1,93,056 1 11	.....	.....	.....	.....		1,93,056 1 11
Deposit Account	.....	.....	.....	.....	5,090 14 5	.....	.....	.....	.....		5,090 14 5
Stock	.....	.....	.....	.....	5,02,702 11 2	.....	.....	.....	.....		5,02,702 11 2
Invoice of imported goods	.....	.....	.....	.....	1,00,436 8 0	.....	.....	.....	.....		1,00,436 8 0
Works under construction	.....	.....	.....	.....	29,54,302 8 10	.....	.....	.....	.....		29,54,302 8 10
Block	.....	.....	.....	.....	8,339 0 2	.....	.....	.....	.....		8,339 0 2
Premium on 1st Debenture Loan of 1899 ...	.....	.....	.....	.....	6,250 0 0	.....	.....	.....	.....		6,250 0 0
Ditto 2nd ditto	.....	.....	.....	.....	7,500 0 0	.....	.....	.....	.....		7,500 0 0
Depreciation of Port Block	.....	.....	.....	.....	1,10,220 0 0	.....	.....	.....	.....		1,10,220 0 0
Ditto Fund account of Port	.....	.....	.....	.....	44,188 0 0	.....	.....	.....	.....		44,188 0 0
Contribution from Revenue for new work ...	.....	.....	.....	.....	3,16,156 0 1	.....	.....	.....	.....		3,16,156 0 1
Municipal taxes on Dock properties	.....	.....	.....	.....	.....	.....	.....	1,48,488 5 0	.....		1,48,488 5 0
Interest on Dock Loan	.....	.....	.....	.....	.....	.....	.....	11,50,822 10 2	.....		11,50,822 10 2
Transfers to other Parts	.....	.....	.....	.....	.....	.....	.....	.....	9,48,000 0 0		9,48,000 0 0
Revenue loss on 1st April 1899 ...	12,74,628 14 11	4,88,994 6 9	1,16,752 7 7	6,85,223 12 6	52,40,725 10 6	3,94,684 2 0	5,80,148 15 7	30,92,174 6 6	9,68,886 15 1		1,28,42,221 10 11
	.....	.....	.....	3,15,210 8 10	.....	.....	4,25,260 12 4	18,54,680 13 10	388 3 11		25,95,540 6 11
	12,74,628 14 11	4,88,994 6 9	1,16,752 7 7	10,00,434 5 4	52,40,725 10 6	3,94,684 2 0	10,05,409 11 11	49,46,855 3 10	9,69,277 3 0		1,54,37,762 1 10
Balance on 31st March 1900 ...	27,04,138 15 6	4,29,888 15 10	4,04,305 8 5	.....	.....	3,80,962 11 10	.....	.....	.....		39,19,296 3 7
TOTAL ...	39,78,767 14 5	9,18,883 6 7	5,21,058 0 0	10,00,	52,40,725 10 6	7,75,646 13 10	10,05,409 11 11	49,46,855 3 10	9,69,277 3 0		1,93,57,058 4 6
				9,61,473 7 10							

APPENDIX I—*continued.*

Statement of Assets on 31st March 1900.

Particulars.	Part I.	Part II.	Part III.	Part IV.	Part V.	Part VI.	Part VII.	Part VIII.	Special toll.	Marine Deposits.	Miscellaneous accounts.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.			Rs. A. P.	Rs. A. P.
Contribution for Stock	20,000 0 0	16,000 0 0	10,000 0 0	20,000 0 0	.....	.....	.....	.....	.....	.....	.....	80,000 0 0
Collector of Bills	20,302 0 3	20,003 10 4	38,272 5 0	8,013 3 0	.....	42,287 14 5	.....	16,690 5 2	.....	.....	348 15 6	1,47,308 8 8
Miscellaneous Advances	.....	.....	.....	200 0 0	.....	.....	.....	.....	.....	.....	.....	200 0 0
Block	.....	.....	.....	.....	5,10,43,721 15 11	.....	.....	.....	.....	.....	.....	5,10,43,721 15 11
Works under Construction	.....	.....	.....	.....	60,12,475 4 4	.....	.....	.....	.....	.....	.....	60,12,475 4 4
Stock	.....	.....	.....	.....	1,35,075 6 11	.....	.....	.....	.....	.....	.....	1,35,075 6 11
Invoice of Imported Goods	.....	.....	.....	.....	2,61,885 14 11	.....	.....	.....	.....	.....	.....	2,61,885 14 11
	Rs. A. P.											
Investment of Jetty Reserve Fund—												
5½ per cent. Port Trust Debentures of 1886 for	1,00,000 0 0	.....	.....	.....	99,244 8 2	.....	.....	.....	.....	.....	.....	99,244 8 2
Investment of Jetty Insurance Fund—												
5½ per cent. Port Trust Debentures of 1886 for	50,000 0 0	.....	.....	.....	49,998 11 5	.....	.....	.....	.....	.....	.....	49,998 11 5
Investment of Fire Insurance Fund—												
3½ per cent. Government Loan of 1854-55 for	52,000 0 0	.....	.....	.....	56,564 15 2	.....	.....	.....	.....	.....	.....	56,564 15 2
5½ per cent. Port Trust Debenture of 1886 for	4,000 0 0											
4 per cent. Port Trust Debentures of 1895 for	1,500 0 0											
	57,500 0											
Investment of Port Reserve Fund—												
3½ per cent. Government Loan of 1865	2,50,000 0 0											
3½ per cent. ditto of 1842-43	89,290 0 0											
	3,39,290 0 0	.....	.....	.....	3,53,746 12 5	.....	.....	...	.....	.....	.....	3,53,746 12 5
Investment of Depreciation Fund of Port—												
3½ per cent. Government Loan of 1854-55 for	66,000 0 0	.....	.....	.....	63,522 9 11	.....	.....	.....	.....	.....	.....	63,522 9 11
Investment of Depreciation Fund of Port Approaches—												
3½ per cent. Government Loan of 1842-43 for	1,00,000 0 0											
3½ per cent. Government Loan of 1854-55 for	2,10,000 0 0											
	3,10,000 0 0	.....	.....	.....	3,08,413 14 7	.....	.....	.....	.....	.....	.....	3,08,413 14 7
Investment of Sinking Fund of Debenture Loan of 1881	4,99,014 9 2											
	Rs.											
3½ per cent Government Loan of 1842-43 for ...	1,500											
4½ per cent. Port Trust Debentures of 1881 for...	1,75,500											
4½ per cent. Port Trust Debentures of 1883 for	1,59,000											

5½ per cent. Port Trust Debentures of 1886 for	63,300													
4 per cent. Port Trust Debentures of 1895 for...	47,500													
4 per cent. Port Trust Debentures of 1897 for...	2,500													
4 per cent. Port Trust Debentures of 1899 for...	5,000													
4½ per cent. Port Trust Debentures of 1899 for...	13,500													
	4,07,800													
Cash in hand of Trustees		767 1 11	...	...	...	...	4,99,781 11 1	...	...	...	...	...	...	4,99,781 11 1
Investment of Sinking Fund of Debenture Loan of 1883	Rs.	8,46,820 12 2												
4½ per cent. Port Trust Debentures of 1881 for	1,26,500													
4½ per cent. Port Trust Debentures of 1883 for	5,86,000													
5½ per cent. Port Trust Debentures of 1886 for	1,41,600													
4 per cent. Port Trust Debentures of 1895 for	1,22,100													
3½ per cent. Government Loan of 1842-43 for ...	4,500													
4½ per cent. Port Trust Debentures of 1899 for...	6,500													
4 per cent. Port Trust Debentures of 1899 for...	2,000													
	7,89,200													
Cash in hand of Trustees		21,220 10 3	.....	.....	.....	.....	8,68,041 6 5	.....	.....	.....	.....	.....	.....	8,68,041 6 5
Investment of Sinking Fund of Debenture Loan of 1886	Rs.	9,59,235 5 6												
4½ per cent. Port Trust Debentures of 1881 for	1,56,000													
4½ per cent. Port Trust Debentures of 1883 for	2,88,500													
5½ per cent. Port Trust Debentures of 1886 for	1,98,300													
4 per cent. Port Trust Debentures of 1895 for	1,51,000													
3½ per cent. Government loan of 1842-43 for ...	28,500													
4½ per cent. Port Trust Debentures of 1899 for...	60,000													
	8,82,300													
Cash in hand of Trustees		2,238 2 4	.....	.....	.....	.....	9,61,473 7 10	.....	.....	.....	.....	.....	.....	9,61,473 7 10
Investment of Sinking Fund of 1st Debenture Loan of 1895	Rs.	14,919 12 8												
4½ per cent. Port Trust Debentures of 1883 for ...	500													
5½ per cent. Port Trust Debentures of 1886 for	1,000													
4 per cent. Port Trust Debentures of 1895 for	10,200													
4 per cent. Port Trust Debentures of 1899 for	2,000													
	13,700													
Cash in hand of Trustees		206 0 6	.....	.....	.....	.....	15,125 13 2	.....	.....	.....	.....	.....	.....	15,125 13 2
Carried over		.....	40,902 0 3	30,093 10 4	48,272 5	28,213 3 0	6,07,28,072 8 3	42,987 14 5	.....	16,690 5 2	.....	.....	349 15 6	6,09,35,582 13 11

APPENDIX I—*continued.*

Statement of Assets on 31st March 1900—concluded.

Particulars.		Part I.	Part II.	Part III.	Part IV.	Part V.	Part VI.	Part VII.	Part VIII.	Special toll.	Marine Deposits.	Miscellaneous accounts.	Total.
1		2	3	4	5	6	7	8	9	10	11	12	13
	Brought forward ...	Rs. A. P. 40,902 0 3	Rs. A. P. 30,093 10 4	Rs. A. P. 48,272 5 0	Rs. A. P. 28,213 3 0	Rs. A. P. 6,07,28,072 8 3	Rs. A. P. 42,987 14 5	Rs. A. P.	Rs. A. P. 16,690 5 2	Rs. A. P.	Rs. A. P.	Rs. A. P. 348 15 6	Rs. A. P. 6,09,35,580 13 11
Investment of Sinking Fund of 2nd Debenture Loan of 1895	1,43,810 7 8												
	Rs.												
4½ per cent. Port Trust Debentures of 1883 for ..	500												
5½ per cent. Port Trust Debentures of 1886 for	29,800												
4 per cent. Port Trust Debentures of 1895 for	95,800												
4 per cent. Port Trust Debentures of 1899 for	3,000												
4½ per cent. Port Trust Debentures of 1899 for	500												
	1,29,600												
Cash in hand of Trustees	373 10 5	.....	.....	.....	.....	1,44,184 2 1	.....	.....	.....	.....	.....	.....	1,44,184 2 1
Investment of Sinking Fund of Debenture Loan 1897	83,054 6 11												
	Rs.												
4½ per cent. Port Trust Debentures of 1881 for	3,000												
4½ per cent. Port Trust Debentures of 1883 for	3,000												
5½ per cent. Port Trust Debentures of 1886 for	18,500												
4 per cent. Port Trust Debentures of 1895 for	46,000												
4½ per cent. Port Trust Debentures of 1899 for	6,000												
	76,500												
Cash in hand of Trustees	193 10 8	.....	.....	.....	.....	84,148 1 7	.....	.....	.....	.....	.....	.....	84,148 1
	Rs. A. P.												
Investment of Sinking Fund of 4½ per cent. Debenture Loan of 1899	24,266 6 3												
	Rs.												
4½ per cent. Port Trust Debentures of 1881 ...	11,000												
4½ per cent. Port Trust Debentures of 1883	1,500												
4 per cent. Port Trust Debentures 2nd Loan of 1899	10,500												
	23,000												
Cash in hand of Trustees	2,691 6 1	.....	.....	.....	.....	26,957 12 4	.....	.....	.....	.....	.....	.....	26,957 12 4

Investment of Sinking Fund of 4 per cent. 2nd Debenture Loan of 1899 ...	15,47	8												
	Rs.													
4 per cent. Port Trust Debentures of 1899 ...	10,000													
4½ per cent. Port Trust Debentures of 1899 ...	4,500													
	14,500													
Cash in hand of Trustees		796 6 7	.....	.....	.....	.....	16,270 1 0	.....	.....	.....	.....	.....	.....	16,270 1 0
Suspense Account			.....	.....	.....	.....	1,66,878 15 11	.....	.....	.....	.....	.....	67,577 3 0	2,34,456 2 11
Depreciation of Port Block			.....	.....	.....	.....	66,032 0 0	.....	.....	.....	.....	.....	.....	66,032 0 0
Discount on 5½ per cent. 30 lakh Debenture Loan of 1886			.....	.....	.....	.....	92,281 5 8	.....	.....	.....	.....	.....	.....	92,281 5 8
Investment in Government securities of Funds of Chuttoo Lall's Bathing Ghat—														
	Rs.													
3½ per cent. Government Loan of 1865 for	15,000		.....	.....	.. ...	.....	.....	.....	.....	.....	.....	.....	15,892 10 0	15,892 10 0
Investment in Government Securities of Funds of Chintamoney Dey's Bathing Ghat—														
3½ per cent. Government Loan of 1854-55 for	7,000		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,389 15 10	7,389 15 10
Investment of Fine Fund—														
3½ per cent. Government Loan of 1865 for ...	4,000		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,864 13 9	3,864 13 9
Fine Fund Account			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 8 10	3 8 10
Government Savings Bank			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,000 0 0	7,000 0 0
Government Promissory Notes of Depositors			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,18,200 0 0	1,18,200 0 0
Revenue Loss			.....	.....	.....	4,27,895 4 7	.....	.....	5,08,419 15 0	23,48,791 11 9	1,264 9 3	.....	.....	32,86,371 8 7
Cash Balance on 31st March 1900		26,84,138 15 6	4,23,790 9 7	3,96,622 9 2	.....	.....	.....	3,80,962 11 10	.....	.....	16,101 13 0	83,267 10 0	.....	39,84,884 5 1
TOTAL ...		27,25,040 15 9	4,53,884 3 11	4,44,894 14 2	4,56,108 7 7	6,13,24,824 14 10	4,23,950 10 3	5,08,419 15 0	23,65,482 0 11	17,366 6 3	83,267 10 0	2,20,277 2 11	6,90,23,517 5 7	

APPENDIX I—*continued.*

Statement of Liabilities on 31st March 1900.

PARTICULARS.	Part I.	Part II.	Part III.	Part IV.	Part V.	Part VI.	Part VII.	Part VIII.	Special toll.	Marine Deposits.	Miscellaneous Account.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Bills recoverable	20,902 0 3	20,093 10 4	38 274 5 0	8,013 3 0	3,565 13 0	42,987 14 5	.....	16,690 5 2	.....	.....	384 13 6	1,47,368 5 8
Deposit Account	.....	3,901 9 9	2,317 0 9	.....	26,03,299 2 7	.....	.....	1,216 5 3	17,366 6 3	.....	.....	26,03,299 2 7
Loan from Government for Wharves and Jetties ...	.....	.....	.....	.....	17,65,000 0 0	.....	.....	.....	.....	.....	.....	17,65,000 0 0
Book debt for Port Block	.....	.....	.....	.....	2,87,70,585 14 8	.....	.....	.....	.....	.....	.....	2,87,70,585 14 8
Loan from Government for Docks	.....	.....	.....	.....	34,21,800 13 5	.....	.....	.....	.....	.....	.....	34,21,800 13 5
Contribution from Revenue for repayment of Loan ...	.....	.....	.....	.....	92,824 14 3	.....	.....	.....	.....	.....	.....	92,824 14 3
Ditto ditto for Renewal of Block ...	.....	.....	.....	.....	60,000 0 0	.....	.....	.....	.....	.....	.....	60,000 0 0
Ditto ditto for stock	.....	.....	.....	.....	74,584 0 0	.....	.....	.....	.....	.....	.....	74,584 0 0
Ditto from Government for road north of Ahecreetollah Ghat.	.....	.....	.....	.....	58,64,757 0 3	.....	.....	.....	.....	.....	.....	58,64,757 0 3
Contribution from Revenue for New Works	.....	.....	.....	.....	10,00,000 0 0	.....	.....	.....	.....	.....	.....	10,00,000 0 0
4½ per cent. 10 lakhs Debenture Loan of 1881	.....	.....	.....	.....	20,00,000 0 0	.....	.....	.....	.....	.....	.....	20,00,000 0 0
4½ per cent. 20 do. ditto of 1883	.....	.....	.....	.....	30,00,000 0 0	.....	.....	.....	.....	.....	.....	30,00,000 0 0
5½ per cent. 30 do. ditto of 1886	.....	.....	.....	.....	1,50,000 0 0	.....	.....	.....	.....	.....	.....	1,50,000 0 0
4 per cent. 1½ do. 1st ditto of 1895	.....	.....	.....	.....	16,00,000 0 0	.....	.....	.....	.....	.....	.....	16,00,000 0 0
4 per cent. 16 do. 2nd ditto of 1895	.....	.....	.....	.....	15,00,000 0 0	.....	.....	.....	.....	.....	.....	15,00,000 0 0
4 per cent. 15 do. ditto of 1897	.....	.....	.....	.....	12,50,000 0 0	.....	.....	.....	.....	.....	.....	12,50,000 0 0
4½ per cent. 12½ do. 1st ditto of 1899	.....	.....	.....	.....	15,00,000 0 0	.....	.....	.....	.....	.....	.....	15,00,000 0 0
4 per cent. 15 do. 2nd ditto of 1899	.....	.....	.....	.....	4,99,781 11 1	.....	.....	.....	.....	.....	.....	4,99,781 11 1
Sinking Fund of Debenture Loan of 1881	.....	.....	.....	.....	8,68,041 6 5	.....	.....	.....	.....	.....	.....	8,68,041 6 5
Ditto ditto of 1883	.....	.....	.....	.....	9,61,473 7 10	.....	.....	.....	.....	.....	.....	9,61,473 7 10
Ditto ditto of 1886	.....	.....	.....	.....	15,125 13 2	.....	.....	.....	.....	.....	.....	15,125 13 2
Ditto 1st ditto of 1895	.....	.....	.....	.....	1,44,184 2 1	.....	.....	.....	.....	.....	.....	1,44,184 2 1
Ditto 2nd ditto of 1895	.....	.....	.....	.....	84,148 1 7	.....	.....	.....	.....	.....	.....	84,148 1 7
Ditto ditto of 1897	.....	.....	.....	.....	26,957 12 4	.....	.....	.....	.....	.....	.....	26,957 12 4
Ditto 1st ditto of 1899	.....	.....	.....	.....	16,270 1 0	.....	.....	.....	.....	.....	.....	16,270 1 0
Ditto 2nd ditto of 1899	.....	.....	.....	.....	62,687 8 0	.....	.....	.....	.....	.....	.....	62,687 8 0
Premium on Debenture Loan of 1881	.....	.....	.....	.....	36,387 8 0	.....	.....	.....	.....	.....	.....	36,387 8 0
Ditto ditto of 1883	.....	.....	.....	.....	8,731 4 0	.....	.....	.....	.....	.....	.....	8,731 4 0
Ditto 1st ditto of 1895	.....	.....	.....	.....	1,51,549 6 0	.....	.....	.....	.....	.....	.....	1,51,549 6 0
Ditto 2nd ditto of 1895	.....	.....	.....	.....	77,391 12 0	.....	.....	.....	.....	.....	.....	77,391 12 0
Ditto ditto of 1897	.....	.....	.....	.....	80,909 11 0	.....	.....	.....	.....	.....	.....	80,909 11 0
Ditto ditto of 1899	.....	.....	.....	.....	37,982 8 0	.....	.....	.....	.....	.....	.....	37,982 8 0
Premium on sale of Securities invested for Port Depreciation Fund.	.....	.....	.....	.....	34,251 12 4	.....	.....	.....	.....	.....	.....	34,251 12 4
Jetty Reserve Fund	.....	.....	.....	.....	99,300 0 0	.....	.....	.....	.....	.....	.....	99,300 0 0
Jetty Insurance Fund	.....	.....	.....	.....	50,012 7 2	.....	.....	.....	.....	.....	.....	50,012 7 2
Port Reserve Fund	.....	.....	.....	.....	3,53,746 12 5	.....	.....	.....	.....	.....	.....	3,53,746 12 5
Depreciation Fund of Port Approaches	.....	.....	.....	.....	3,11,131 2 6	.....	.....	.....	.....	.....	.....	3,11,131 2 6
Dock Contingent Fund	.....	.....	.....	.....	2,55,763 0 0	.....	.....	.....	.....	.....	.....	2,55,763 0 0
Sale of Surplus Lands	.....	.....	.....	.....	5,42,983 11 2	.....	.....	.....	.....	.....	.....	5,42,983 11 2
Sale of right-of-way across the Railway Line at Baug Bazar.	.....	.....	.....	.....	10,500 0 0	.....	.....	.....	.....	.....	.....	10,500 0 0
Landing stage at Prinsep's Ghat transferred by Government to the Commissioners.	.....	.....	.....	.....	10,000 0 0	.....	.....	.....	.....	.....	.....	10,000 0 0
Sale of securities invested for Port Reserve Fund to meet a portion of the cost of a steam-launch for Deputy Conservator.	.....	.....	.....	.....	10,503 3 7	.....	.....	.....	.....	.....	.....	10,503 3 7
Fire Insurance Fund	.....	.....	.....	.....	57,441 1 7	.....	.....	.....	.....	.....	.....	57,441 1 7
Sale of a corrugated shed at Budge-Budge to Messrs. Gillanders, Arbathnot & Co.	.....	.....	.....	.....	52,470 0 0	.....	.....	.....	.....	.....	.....	52,470 0 0
Sale of land at Shalimar to B. N. Railway	.....	.....	.....	.....	9,81,045 5 6	.....	.....	.....	.....	.....	.....	9,81,045 5 6
Depreciation Fund Account of Port	.....	.....	.....	.....	66,032 0 0	.....	.....	.....	.....	.....	.....	66,032 0 0
Interest on fixed deposit in the Bank of Bengal ...	.....	.....	.....	.....	10,000 0 0	.....	.....	.....	.....	.....	.....	10,000 0 0
Port Approaches Block transferred by Government to the Commissioners.	.....	.....	.....	.....	6,21,163 0 0	.....	.....	.....	.....	.....	.....	6,21,163 0 0
Marine deposits	.....	.....	.....	.....	.....	.....	.....	.....	.....	83,267 10 0	.....	83,267 10 0
Bathing Ghat to memory of Chutto Lall	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20,581 10 5	20,581 10 5
Ditto ditto of Chintamony Dey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,025 12 9	7,025 12 9
Deposit in Government Savings Bank	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,000 0 0	7,000 0 0
Deposit of Government Promissory Notes of Contractors and others.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,18,200 0 0	1,18,200 0 0
Deposit of Contractors and others	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23,850 5 0	23,850 5 0
Establishment for preparation of Bengal Office Statistical Returns.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	635 6 4	635 6 4
Interest on Government Promissory Notes of Contractors and others.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	275 13 9	275 13 9
Income-tax	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	271 13 4	271 13 4
Net Revenue	27,04,138 15 6	4,29,888 15 10	4,04,395 8 3	.....	.....	3,80,962 11 10	.....	.....	.....	.....	.....	39,19,296 3 7
Cash balance deficit on 31st March 1900	.....	.....	.....	4,48,995 4 7	1,30,551 11 11	.....	5,08,419 15 0	23,47,575 6 6	.....	.....	42,087 5 10	34,76,729 11 10
TOTAL ...	27,25,040 15 9	4,53,884 5 11	4,44,894 14 2	4,56,108 7 7	6,13,24,824 14 10	4,23,950 10 3	5,08,419 15 0	23,65,482 0 11	17,366 6 3	83,267 10 0	2,20,277 2 11	6,90,23,517 5 7

APPENDIX I—*concluded.*

General Summary of Income and Expenditure from 1st April 1899 to 31st March 1900.

Particulars.	INCOME.				EXPENDITURE.				Remarks.
	Estimate for 1899-1900.	Actuals.			Estimate for 1899-1900.	Actuals.			
		As per Annual Account.	Rent and special toll deposits, &c.	Total.		As per Annual Account.	Rent and special toll deposits, &c.	Total.	
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	
Part I.—Jetties	16,04,750	17,52,780	.....	17,52,780	12,79,558	12,74,629	.....	12,74,629	
„ II.—Inland Vessels Wharves ...	5,11,000	5,31,178	1,751	5,32,929	4,81,357	4,88,994	.....	4,88,994	
„ III.—Strand Bank Lands ...	1,66,994	1,83,538	185	1,83,723	1,16,362	1,16,752	.....	1,16,752	
„ IV.—Harbour Master's Department	5,76,700	5,72,539	.....	5,72,539	7,26,969	6,85,224	.....	6,85,224	
„ VI.—P. T. Railway	4,20,000	4,96,014	.....	4,96,014	3,80,886	3,94,684	.....	3,94,684	
„ VII.—Port Approaches	4,92,875	4,96,990	.....	4,96,990	5,73,048	5,80,149	.....	5,80,149	
„ VIII.—Dock Revenue Accounts ...	18,71,500	16,50,063	6	16,50,069	29,12,840	30,92,174	.....	30,92,174	
Special Toll	9,00,000	9,68,013	588	9,68,601	21,263	20,889	.....	20,889	
Total ...	65,43,819	66,51,115	2,530	66,53,645	64,92,283	66,53,495	.....	66,53,495	

Statement of Ways and Means.

	Rs.
Balance on 1st April 189	5,97,376
Add—Receipts a above	66,53,645
Total	72,51,021
Deduct—Expenditure as above	66,53,495
Balance on 31st March 1900	5,97,526

Working Results for the 12 months only—	Rs.
Receipts	66,53,645
Expenditure	66,53,495
Profit of Income over Expenditure during the 12 months	150

J. F. H. McINERNY,
Offg. Accountant.

J. H. APJOHN,
Vice-Chairman.

The 9th July 1900.

(725—1)

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 17, 1900.

AUDITORS' REPORT ON HOWRAH BRIDGE ACCOUNTS FOR THE YEAR ENDING 31st MARCH 1900.

No. $\frac{L. A.}{356}$.

FROM

THE AUDITORS OF THE ACCOUNTS OF THE COMMISSIONERS OF THE HOWRAH BRIDGE,

To

THE COMMISSIONERS OF THE HOWRAH BRIDGE, CALCUTTA.

Dated Calcutta, the 13th September 1900.

GENTLEMEN,

WE have the honour to report that the Accounts of the Howrah Bridge for the year ending 31st March 1900, have been audited under our supervision, and by our direction, and to certify that they have been found correct.

We append statements of (1) Income and Expenditure during the year under audit, and (2) Assets and Liabilities on the 31st March 1900, as obtained from your books.

The total expenditure for the year has exceeded the Budget Estimate by Rs. 7,574-3-1, without the supplementary sanction of Government, and is to that extent illegal.

We have the honour to be,

GENTLEMEN,

Your most obedient servants,

J. C. E. BRANSON,
Accountant-General, Bengal.

G. C. RAY,
Examiner of Local Accounts in Bengal.

PUBLISHED under the provisions of section 26, Act IX of 1871 and section 76 (2) of Act III (B.C.) of 1890.

By order of the Commissioners,

R. A. DONNITHORNE,
Secretary.

HOWRAH BRIDGE.

Statement of Income and Expenditure of Howrah Bridge for the year ending 31st March 1900.

INCOME.	Rs. A. P.	Rs. A. P.	Rs. A. P.	EXPENDITURE.	Rs. A. P.	Rs. A. P.
Revenue—				*Revenue—*		
Receipts from Railway Traffic.	1,46,695 0 0			Proportion of salaries, &c., Control Establishment ...	.....	22,083 8 2
Interest on Government Securities.	28,003 8 0	1,74,698 8 0		Proportion of interest and Sinking Fund on Trust Loans— Sinking Fund	4,425 4 6	
				Interest	6,999 9 8	11,424 14 2
Sales	.....	387 15 7		Proportion of repairs to Officers' quarters.	.....	170 9 8
Miscellaneous Receipts	.....	11 8 8		Proportion of municipal taxes and repairs to Dockyard.	.....	7,909 7 1
			1,75,098 0 3	Proportion of municipal taxes on Commissioners' property, Calcutta side	.....	502 0 0
Balance on 1st April 1899.	.....	.....	30,053 10 2	Salaries	.....	32,090 15 6
				Working expenses	.....	24,562 4 1
				Repairs	.....	65,916 7 10
				Establishment, &c., of *Buckland.*	.....	30,941 13 4
				Municipal taxes of Chief Officer's quarters ..	.....	203 15 6
				Compassionate Allowances	.....	1,092 13 3
				Renewals	.....	1,301 1 5
				Cash balance on 31st March 1900.	.....	19,416 11 3
				Less—		
				Uninvested balance of Reserve Fund.	5,084 5 2	
				Uninvested balance of Reserve section.	651 14 3	
				Uninvested balance of Pontoon Renewal Fund.	6,628 11 5	
						12,364 14 10
TOTAL ...	.....	.....	2,05,151 10 5	TOTAL ...	.....	.....

Examined and found correct.

J. F. H. McINERNY,
Offg. Accountant.
The 31st July 1900.

G. C. RAY,
Examiner of Local Accounts, Bengal.

J. H. APJOHN,
Vice-Chairman.

HOWRAH BRIDGE.

Statement of Assets and Liabilities of the Howrah Bridge on 31st March 1900.

ASSETS.

					Rs.	A.	P.
Block of Howrah Bridge					25,07,522	8	1
Investment of Bridge Reserve Fund.	3½ per cent.	Government Loan of 1865	for Rs.	5,44,300	7,90,480	11	3
	3½ ditto	ditto	1854-55 for ,,	35,600			
	3½ ditto	ditto	1842-43 for ,,	2,20,200			
			,,	8,00,100			
Reserve Section					1,08,761	1	9
Investment of Pontoon Renewal Fund.	3½ per cent.	Government loan of	1842-43 for Rs.	50,000	61,738	8	0
	3½ ditto	ditto	1854-55 for ,,	14,000			
			,,	64,000			
Trust Account (Cash Balance)					19,416	11	3
			TOTAL	...	34,87,919	8	4

LIABILITIES.

Contribution from Revenue for repayment of loan					22,41,800	0	0
Ditto for new works					3,58,409	8	1
Ditto of Port for tug steamer *Hetty*					40,313	0	0
Reserve Fund					7,71,978	0	5
Pontoon Renewal Fund					68,367	3	5
Net Revenue					7,051	12	5
			TOTAL	...	34,87,919	8	4

Examined and found correct.

J. F. H. McINERNY,
Offg. Accountant.
The 31st July 1900.

G. C. RAY,
Examiner of Local Accounts, Bengal.

J. H. APJOHN,
Vice-Chairman.

The Calcutta Gazette.

WEDNESDAY, OCTOBER 24, 1900.

APPENDIX TO

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 266.

[First Publication.]

AUSTRALIA—FITZROY RIVER.

New cutting through the upstream portion, Upper Flats.

THE Port Master Brisbane, has given notice (No. 17 of 1900) that a New Cutting 200 feet wide, and carrying 14 feet at L.W.S., has been dredged through the upstream portion of the Upper Flats, Fitzroy River, and is now marked for Navigation.

Directions.—After passing the Upper Flats Lightship enter the cutting with leading lights and beacons in line astern bearing S. 55° E. as hitherto, and continue on that line until a black buoy boat, carrying a white light at night, is reached on the port hand, when a pair of white leading beacons, showing white lights at night, are to be brought in line astern bearing S. 38° E.; these mark the new cutting. Continue on this lead about three-quarters of a mile, then keep a mid-channel course as hitherto.

Australia Directory, vol. 2; Admiralty Chart No. 363.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 20th October 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 267.

[First Publication.]

ARABIA, NORTH-EAST COAST—PERSIAN GULF.

Bahrein harbour—Beacon erected.

THE following Notice to Mariners (No. 90 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Officer Commanding R. I. M. S. *Lawrence* dated Bushire, 23rd September 1900, that a pole beacon with a basket cage on top painted black has been erected in the Bahrein harbour to mark the outer edge of Ras Zarwan Reef.

Position :—Fort near the south-west point of Mubarrak, S. 73° W., distance 2 miles 9½ cables.

Portuguese Fort	...	...	...	S. 59° W.
Khaseifa Island	...	...	...	N. 58° E.

(The bearings are magnetic.)

This Notice affects the following Admiralty Charts :—Bahrein Harbour, No. 20; Persian Gulf, northern portion, No. 2837b : Also, Persian Gulf Pilot, 4th edition, 1898, page 135.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 268.

[First Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka point light temporarily discontinued.

THE following Notice to Mariners (No. 91 of 1900) issued by the Bombay Government is republished :—

Information has been received from the Resident at Baroda, dated 2nd October 1900, that the present light at Dwarka Point will be temporarily discontinued from 15th October 1900 for a couple of months pending the necessary alteration to the existing tower and placing of the improved apparatus for fixing a new light.

This Notice affects the following Admiralty Charts :—Dwarka Point to Diu Head, No. 1420; Gulf of Cutch, No. 43; Coasts of Sind and Cutch, including the Gulf of Cutch, No. 42; Gulf of Cutch to Viziadurg, No. 2736; Karachi to Vengurla, No. 826; Arabian Sea, No. 1012, and Indian Ocean, northern portion, No. 748b; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 267; also Light List, Part VI, 1900, No. 211.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 269.

[First Publication.]

EASTERN ARCHIPELAGO—MALACCA STRAIT.

Perak river approach—Shoal eastward of Sembilan islands.

THE British Admiralty has given notice (No. 603 of 1900) of the existence of an unknown danger, situated eastward of the Sembilan islands.

The Master of the S.S. *Rosa* reports that, on 28th July 1900, at 8-30 A.M., his vessel, drawing 12 feet, struck heavily on a danger situated about 1¼ miles S. E. from the north-east island of the Sembilan group (186 feet high on Chart No. 1009).

Approximate position on Chart No. 1009, to be considered doubtful, lat. 4° 3′ 30″ N., long. 100° 35′ 10″ E. (*Notice No. 603 of 1900.*)

(*Variation 3° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Acheh head to Tyingkok bay, No. 2760; Malacca strait, No. 1355; Butang group to Pulo Berhala, No. 793; approaches to Perak river, No. 1009 : Also, China Sea Directory, vol. I, 1896, page 166.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 270.

[First Publication.]

AUSTRALIA, SOUTH—TASMANIA—PORT HOBART.

Sullivan's cove—Alteration in pier head lights.

THE British Admiralty has given notice (No. 604 of 1900) that the following alterations have been made in the lights exhibited on the pier heads in Sullivan's cove, Port Hobart:—

1. On Brook street pier head, a *white fixed* light is exhibited in place of the red and green lights formerly shown.
2. On Elizabeth street pier head, two *white fixed* lights are exhibited vertically in place of one white light formerly shown.
3. On Dunn street pier head, two *green fixed* lights are exhibited vertically in place of three lights, red, green, red formerly shown. (*Notice No. 604 of 1900.*)

Approximate position, lat. 42° 53′ S., long. 147° 20′ E.

This Notice affects the following Admiralty Chart:—Port Hobart, No. 105: Also, List of Lights, part VI, page 222; Australia Directory, vol. I, 1897, page 706.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 271.

[First Publication.]

AUSTRALIA, SOUTH COAST—APOLLO BAY.

New jetty and light—Old jetty no longer available—Light discontinued.

THE British Admiralty has given notice (No. 606 of 1900) that the old jetty, situated three-quarters of a cable northward of the south (red) beacon on Bunbury point, Apollo bay, is no longer available, and the *red* light on it has been discontinued.

A new jetty, the inner end of which is situated 2¾ cables W. by N. ¾ N. from the north (white) beacon on Bunbury point, and extending thence 500 yards in a direction E. by N. ½ N., into a depth of 12 feet at low water, has been constructed.

A *fixed red* light is exhibited from the head of this jetty, and two warping buoys are moored near it. (*Notice No. 606 of 1900.*)

Approximate position, lat. 38° 46′ S., long. 143° 41′ E.

This Notice affects the following Admiralty Charts:—Bass strait, No. 1695b; Western approach to Bass strait, No. 1063; Anchorages in Bass strait, No. 1694: Also, List of Lights, Part VI, 1900, No. 1104; Australia Directory, vol. I, 1897, page 426.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 272.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kutabdia bank—No buoys on South Patches.

THE British Admiralty has given notice (No. 614 of 1900) that there are now no buoys on South patches, Kutabdia bank; these buoys have consequently been removed from the Admiralty Charts. (*Notice No. 614 of 1900.*)

Approximate position, lat. 21° 30′ N., long. 91° 39′ E.

This Notice affects the following Admiralty Chart:—Mutlah river to Elephant point, No. 859: Also, Bay of Bengal Pilot, 1892, pages 217, 218; Hydrographic Notice, No. 4, of the year 1895.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 252.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the outer bar.

WITH reference to Notice to Mariners No. 250, dated the 8th October, issued by this office, a telegraphic communication has been received from the Port Officer, Chittagong, stating that the water in the outer bar of the Old channel is now only 7 feet reduced. All vessels taking pilots are warned that the New channel (not buoyed) has 11 feet reduced.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 253.

[Second Publication.]

CHINA—TUNG HAI OR EASTERN SEA.

Great Yang tse bank—Shoal reported to the north-eastward of it.

THE British Admiralty has given notice (No. 560 of 1900) that information, dated 22nd August 1900, has been received from the General Manager of the Peninsular and Oriental Company that the S.S. *Socotra*, drawing 18½ feet, when on a voyage from Japan to Shanghai, struck on a shoal north-eastward of the Great Yang tse bank at 9h. 40m. P.M. on 5th June 1900, in approximately lat. 32° 9′ N., long. 125° 7′ E., and that, when the vessel was subsequently docked, clay and stones were found adhering to the damaged portion of the bottom. A shoal, with a depth of 3 fathoms over it, has in consequence been placed on the Chart in the above position.

It is to be observed that in 1896 the P. and O. S.S. *Shanghai* reported having obtained a sounding of 9 fathoms, just after noon, in lat. 32° 1′ N, long. 125° 9′ E.: the weather at the time was fine, but foggy, and consequently no astronomical observations were obtained. On receipt of this report Notice to Mariners No. 312 of 1896 was issued, and amended afterwards by Notice to Mariners No. 613 of 1896.

In December 1896 H.M.S. *Plover* was sent to search for this reported shoal, and sounded over an area of 4 miles without finding any such depths. When this information was received, Notice to Mariners No. 340 of 1897 was issued, expunging the 9-fathom sounding from the Chart.

These are, however, not the only reports of a shoal in this locality, as in 1868 H.M. Surveying Vessel *Sylvia* searched for breakers reported by P.M. S.S. *Costa Rica* in lat. 32° 10′ N., long. 125° 3′ E., without finding any sign of danger, the depths all round being very even (about 25 fathoms) over a space of 15 square miles.

Whilst it is difficult to suppose that a danger could continuously exist on a route so much frequented as that between the Yang tse and Japan without having been more frequently reported, it is evident a bank of some sort must have existed somewhere in the neighbourhood in June last, and, until the area has been thoroughly examined, mariners are warned to avoid the locality.

It is not impossible that such banks may occasionally be formed by the deposit brought down by the Yang tse when in flood, and afterwards dispersed by wave action in the N.E. monsoon. (*Notice No. 560 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 1263; Nipon island, &c., No. 2347; Hongkong to Liau tung gulf, No. 1262; Amoy to Nagasaki, No. 2412: Also, China Sea Directory, vol. III. 1894, page 518; and Suppement, 1898, page 27.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 254.

[Second Publication.]

PACIFIC OCEAN—PHILIPPINES—LUZON—LINGAYEN GULF.

Port Sual—Light not exhibited—Information on shoals.

THE British Admiralty has given notice (No. 565 of 1900) that no light is exhibited on Portuguese point, port Sual, also that "Adela rocks" are in reality a sand spit extending from Mangas point, and that there are several rocky heads in the northern part of the port.

Approximate position, lat. 16° 6′ N., long. 120° 6′ E.

NOTE.—The plan of port Sual on Admiralty Chart No. 2454 must be used with caution. (*Notice No. 565 of 1900.*)

This Notice affects the following Admiralty Charts:—Island of Luzon, No. 2454: Also, List of Lights, part VI, 1900, No. 625; Eastern Archipelago, part I, 1890, pages 44, 45; Revised Supplement, 1898, relating to that work, page 4, and China Sea Directory, vol. II, 1899, pages 321, 322.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 255.

[Second Publication.]

PACIFIC OCEAN—PHILIPPINES—LUZON ISLAND.

Shoals westward of Polillo island.

THE British Admiralty has given notice (No. 566 of 1900) that a shoal, with a depth of 9 feet over it, is reported to exist in the channel between Polillo island and Luzon, about midway between S. Miguel and Inagikan point, in approximately lat. 14° 48′ N., long. 121° 54′ E. (*Notice No. 566 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Barnardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, page 337.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 256.

[Second Publication.]

PACIFIC OCEAN—NEW CALEDONIA.

Tchio—Custom house—Pilot station, &c.

WITH reference to Notice to Mariners No. 81, dated the 21st April 1899, issued by this office, the British Admiralty has given further notice (No. 567 of 1900) that there is a Custom house and Pilot station at Tchio. Vessels need not necessarily therefore proceed to Nouméa for the purpose of entry and clearance when bound to Tchio. (*Notice No. 567 of 1900.*)

Approximate position, lat. 21° 37′ S., long. 166° 13′ E.

This Notice affects the following Admiralty Chart:—New Caledonia, No. 936b: Also, Pacific islands, vol. I, part II, 1893, page 111.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 257.

[Second Publication.]

PACIFIC OCEAN—THE PHILLIPINES—MINDANAO, NORTH-EAST COAST.

Reef extending from point Kauit.

THE British Admiralty has given notice (No. 569 of 1900) that it is reported a reef extends north-eastward from point Kauit for a distance of fully 5 miles.

Approximate position, lat. 9° 22′ N., long. 126° 17′ E.

Also, that the islands between Mindanao and Dinagat are very incorrectly charted, and a note to this effect has been placed on the Chart. (*Notice No. 569 of 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 127.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 258.

[Second Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head and leading lights—Intended alteration and exhibition.

THE British Admiralty has given notice (No. 572 of 1900) that it is intended to make the following alterations and additions to the lights of port Curtis:—

1. Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, will be exhibited showing the following sectors:—*white* from the bearing of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N. 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.

   It will be shown from a cylindrical tower, 38 feet high, painted white with red dome, now being erected about three-quarters of a cable N. 11° E. from the present light.

   When this light is exhibited the present light will be extinguished.

   Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

2. Near the entrance to the Boyne river, two 4th order leading lights will be established: the front light, elevated 66 feet above high water and visible 12 miles, will be shown from a skeleton tower, 30 feet high, painted white; the rear light, elevated 121 feet above high water and visible 14 miles, will be shown from a square building painted white on a hill at a distance of 9½ cables S. 75° W. from the front light.

   These lights, in line S. 75° W., are intended to lead through the south channel entrance.

3. On the western slope of Gatcombe head two other leading lights will be established: the front light, elevated 32 feet above high water, will be shown from a small house; and the rear light, elevated 66 feet above high water, from a skeleton tower.

   It is expected that these leading lights will be ready for exhibition shortly, but further notice on the subject will be given. (*Notice No. 572 of 1900.*)

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 259.

[Second Publication.]

AUSTRALIA, EAST COAST.

Pipon island light – Intended exhibition of and withdrawal of channel rock light-vessel.

THE British Admiralty has given notice (No. 574 of 1900) that, on or about 15th November 1900, a dioptric *fixed* light of the 4th order would be exhibited from the southern island of the Pipon group

Pipon island light will be elevated 55 feet above high water, and visible in clear weather from a distance of 13 miles, and will show the following sectors:—*White* from the bearing of N. 72° W., through north, to N. 53° E.; *red* from N. 53° E. to N. 76° E.; *white* from N. 76° E. to N. 88° E.

It will be exhibited from a skeleton tower 60 feet high, and painted red, erected on the southern island in lat. 14° 7′ 20″ S., long. 144° 30′ 50″ E.

When this light is exhibited Channel rock light-vessel will be withdrawn.

Further notice will be given when information has been received that these alterations have been made. (*Notice No. 574 of 1900.*)

(*Variation 5° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Turtle group to Claremont point, No. 2922: Also, List of Lights, part VI, 1900, page 214, No. 1328; and Australia Directory, vol. II, 1898, page 365.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information

C. B. BAYLE.,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 260

[Second Publication.]

AUSTRALIA, EAST COAST—GRAFTON PASSAGE.

Shoal soundings obtained.

THE British Admiralty has given notice (No. 575 of 1900) that information, dated 1st June 1900, has been received from Commander N. G. Macalister, H. M. S. *Torch*, that the following shoal soundings were obtained from his vessel when passing through Grafton passage:—

1. A sounding of 8 fathoms with summit of Fitzroy island bearing S. 31° W., and False cape S. 60° W.
   Approximate position, lat. 16° 45′ S., long. 146° 8′ E.
2. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and False cape S. 58° W.
3. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and Euston reef centre S. 58° E. (*Notice No. 575 of 1900.*)

(*Variation 6° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Grafton to Hope islands, No, 2924; Double island to cape Grafton, No. 2350: Also, Australia Directory, vol. II, 1898. page 376.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 261.

[Second Publication.]

AUSTRALIA—NORTH-WEST COAST.

Non-existence of Eldorado rocks and Squaw shoals.

THE British Admiralty has given notice (No. 576 of 1900) respecting an unsuccessful search for the undermentioned rocks and shoal off the north-west coast of Australia:—

1. ELDORADO ROCKS, in approximately lat. 18° 20′ S., long. 117° 45′ E., were searched for over an area of 230 square miles in their reported locality, in exceptionally clear and fine whether. Nothing, however, was seen or any indication of shoal water found, the soundings of from 160 to 350 fathoms, showing a gradual slope of the bottom to the north-westward.

These rocks were reported to have been seen from a distance of 5 or 6 miles by M. Pertis, of the French ship *Eldorado*, on 20th May 1879, the weather at the time being cloudy with rain, and a sounding of 105 fathoms being also obtained. They appeared to consist of two rocks from 16 to 18 feet high. In 1880 the Admiralty surveying vessel *Meda* devoted several days to the search for these rocks without seeing them, and, as the *Penguin* has now been equally unsuccessful, it is considered that these rocks do not exist, and they have consequently been erased from the Charts.

2. SQUAW SHOAL, reported in 1860 as a dangerous 10-feet patch, in approximately lat. 20° 41′ S., long. 114° 17′ E., was also searched for without effect. An area of 200 square miles was sounded over in the reported vicinity of this shoal, during exceptionally clear and fine weather, with a very long ocean swell, and the bottom was found to have a gradual slope to the north-westward, the depth over the reported position being 539 fathoms globigerina ooze.

The German frigate *Gazelle* in 1875, and the Admiralty surveying vessel *Meda* in 1880, passed over the assigned position of this danger, and H. M. surveying vessel *Penguin* on a previous voyage in 1891 passed within 1½ miles of it without seeing any indication of shoal water. It is therefore considered that this shoal cannot exist, and it has been erased from the Charts. (*Notice No. 576 of 1900.*)

This Notice affects the following Admiralty Charts:—Indian ocean, No. 748a; Australia, northern portion, No. 2759a; Bedout island to cape Cuvier, No. 1055; North-west coast of Australia, No. 475; Buccaneer Archipelago to Bedout island, No. 1048: Also, Australia Directory, vol. III, 1895, pages 271, 302; and Supplement, 1898, relating to that work, page 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 262.

[Second Publication.]

CHINA—PE CHILI STRAIT.

Rock in Chang Shan channel.

THE British Admiralty has given notice (No. 585 of 1900) of the existence of a sunken ledge in Chang Shan channel, gulf of Pe Chili.

This ledge, which is of small extent, has a depth of 3½ fathoms over it, and is situated with Rock (25 feet high) bearing S. 18° W., distant four cables, and the north-east extreme of Chang Shan island, S. 63° E. (*Notice No. 585 of 1900.*)

Approximate position, lat. 38° 0′ 30″ N., long. 120° 40′ 20″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Pe Chili and Lain tung gulfs No. 1256; Kyau chau bay to Maiu-tau strait, No. 1255; Pe Chili strait, No. 1292: Also China Sea Directory, vol. III, 1894, page 567.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 263.

[Second Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Leading lights and light-vessel established in English Pass.

THE British Admiralty has given notice (No. 588 of 1900) that *white fixed* lights are now shown from the white stone pillar on Bet-el-Ras, and also from the mast on the edge of the reef. These two lights which, when in line bear N. E. ½ E., lead clear of the turning buoy into the harbour.

A small vessel showing a *red fixed* light, visible 2 miles, has been moored between the red buoys in English pass. (*Notice No. 588 of 1900.*)

Approximate position, lat. 6° 7′ 45″ S., long. 39° 12′ 25″ E.

This Notice affects the following Admiralty Charts:—Pangani to Ras Kimbiji, &c., No. 3105b; Zanzibar harbour, No. 665: Also, List of Lights, part VI, 1900, page 20; African Pilot, part III, 1897, page 440.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 264.

[Second Publication.]

NEW ZEALAND—NORTH ISLAND.

East island—Light exhibited.

WITH reference to Notice to Mariners No. 13, dated the 20th January 1900, issued by this office, the British Admiralty has given further notice (No. 595 of 1900) that a dioptric light of the 2nd order was exhibited from the lighthouse on East island off East cape on the 9th August 1900.

East island light is a *flashing white* light *every ten seconds*; it is elevated 362 feet above high water, and visible in clear weather from a distance of 22 miles, seaward, over an arc of about 280°, or as far as the land will permit.

The lighthouse is an iron tower 69 feet high, painted white. (*Notice No. 595 of 1900.*)

Approximate position, lat. 37° 40′ S., long. 178° 36′ E.

This Notice affects the following Admiralty Charts:—New Zealand, No. 1212; Mayor island to Poverty bay, No. 2527: Also, List of Lights, part VI, 1900, No. 1411; and New Zealand Pilot, 1891, page 147.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 265.

[Second Publication.]

AUSTRALIA.

Gatcombe head light—Notices Nos. 11 and 15 amended.

WITH reference to Notice to Mariners No. 200, dated 11th August last, issued by this office, the Port Master, Brisbane, has given notice (No. 16 of 1900) that the sectors of the Gatcombe Head Light have been re-adjusted as follows, namely:—

White between S. 46 W. and N. 71 W. (Intensified on northern edge.)
Obscured between N. 71 W. and N. 46 W.
White between N. 46 W. and N. 17 E.
Red between N. 17 E. and N. 37 E.
White between N. 37 E. and N. 65 E.
Obscured between N. 65 E. and S. 46 W.

Between the bearings of S. 46 W. and about S. 42 W. a dim light is visible, which must not be mistaken for the white sector to the southward.

Bearings are magnetic and from seaward.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 5th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 250.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river.—Depth of water on the outer bar.

THE Port Officer, Chittagong, has given notice that the water on the outer bar, Chittagong river, now is 9 feet reduced to zero. Mariners are accordingly warned.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 8th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 251.

[Third Publication.]

AUSTRALIA, SOUTH—PORT DARWIN ENTRANCE.

Point Emery light.

THE President, Marine Board, Port Adelaide, has given notice (No. 6 of 1900) that a temporary Fixed White Light is now exhibited from Point Emery at a height of 65 feet above high water-mark, and is visible from an ordinary vessel's deck at a distance of 6 miles.

The structure from which the light is shown is built of wood and painted white.

The arc of illumination is from N.W. by N. ½ N. round by W. to S.E. by S. ½ S. Bearings magnetic.

This notice affects Admiralty Charts Nos. 18, 613, and 1044, and Plan 925.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 8th October 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 31, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 273.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the Outer bar.

WITH reference to Notice to Mariners No. 252, dated the 17th October, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that soundings taken on the Outer bar on the 20th idem give the following depths:—

Track, disc on with mast, cask and ball	...	...	11 feet reduced.
New Track for Pilots only	...	...	12 „ „

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 274.

[First Publication.]

Admiralty Charts.

THE following Notice to Mariners issued by the British Admiralty (No. 643 of 1900) is republished for general information:—

In connection with arrangements at the Hydrographic Office, a second or "new" number is now being placed on all Admiralty Charts in the left-hand lower corner and in brackets, thus [1794].

These new numbers will approximately follow the consecutive order of the Charts as they stand in the Catalogue of Admiralty Charts, and may possibly in the future come into general use, but for the present no notice whatever should be taken of them by Navigating Officers of H. M. Ships, Sub-agents for Charts, or Mariners, and others using the Admiralty Charts, and the Charts should be quoted as heretofore by the number in the *right-hand lower corner* of every sheet.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 275.

[First Publication.]

AFRICA, EAST COAST—POMBA (MWAWBI BAY).

Intended lights and buoys.

THE British Admiralty has given notice (No. 618 of 1900) that it is intented to exibit the undermentioned lights at Pomba bay:—

1. On north point a *fixed white* light, showing a *red* sector over the sand spit extending from South point. It will be elevated 45 feet above high water, and visible in clear weather from a distance of 9 miles. The lighthouse is an open lattice iron tower.
2. A *red* light will be shown from a jetty now under construction.

The sand spit off South point will be marked by a black buoy in 9 fathoms. (*Notice No. 618 of 1900.*)

Approximate position, lat. 12° 55′ 50″ S., long. 40° 31′ 20″ E.

This Notice affects the following Admiralty Chart:—Mozambique harbour to Ras Pekawi, No. 1809: Also, List of Lights, part VI, 1900, page 12, Africa Pilot, part III, page 308.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 276.

[First Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Pilot hulk's position altered.

THE British Admiralty has given notice (No. 620 of 1900) that the Pilot hulk, formerly moored near Cockburn shoal buoy, has been moved, and is now situated with Inyack lighthouse bearing S. 2° W., distant $3\frac{3}{10}$ miles, and Gibbon point beacon S. 76° W. (*Notice No. 620 of 1900.*)

Approximate position, lat. 25° 55′ 15″ S., long 32° 58′ 10″ E.

CAUTION.—As this Pilot hulk appears to be liable to be shifted in position without notice, it is evident it cannot be relied on as a navigational mark.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Delagoa bay to river Zambesi, No. 648; Tugela river to Delagoa bay, No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, part III, 1897, pages 194, 195.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 277.

[First Publication.]

AFRICA, EAST COAST—PORT MOMBASA.

Intended light on Ras Serani.

THE British Admiralty has given notice (No. 622 of 1900) that, about the end of September 1900, a light will be exhibited on Ras Serani, Port Mombasa.

Ras Serani light will be *fixed white*, shown from a steel mast, 60 feet high, situated at the back of the Inner Pillar; it will be visible from a distance of 12 miles between the bearings S. 60° W., through west, and N. 20° E. (*Notice No. 622 of 1900.*)

Approximate position, lat. 4° $4\frac{1}{2}$′ S., long. 39° 41′ E.

This Notice affects the following Admiralty Chart:—Port Mombasa, &c., No. 666: Also, List of Lights, part VI, 1900, No. 62; African Pilot, part III, 1897, page 491.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 278.

[First Publication.]

PACIFIC OCEAN—NEW HEBRIDES—EFATE ISLAND.

Fila harbour—Outer leading light altered in colour.

THE British Admiralty has given notice (No. 624 of 1900) that the Outer leading light at Fila harbour, Efate island, has been altered from fixed white to *fixed red.* (*Notice No. 624 of 1900.*)

Approximate position, lat. 17° 44′ 10″ S., long. 168° 18′ 50″ E.

This Notice affects the following Admiralty Chart:—Anchorages in the New Hebrides, No. 1637: Also, List of Lights, part VI, 1900, No. 155, and part VII, 1900, page 82; Pacific islands, vol. I, part II, 1893, page 201.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 279.

[First Publication.]

AUSTRALIA, WEST—ROTTNEST ISLAND.

Bathurst point—Light exhibited.

WITH reference to Notice to Mariners No. 126, dated the 26th May 1900, issued by this office, the British Admiralty has given further notice (No. 628 of 1900) that, on 1st September 1900, the light would be exhibited.

Bathurst point light is *white fixed* dioptric of the 2nd order shown from a grey stone tower on Bathurst point, Rottnest island. The light is elevated 98 feet above high water, and visible in clear weather, from a distance of 15 miles, between the bearings S. 82° E., through south and west, to N. 59° W. (*Notice No. 628 of 1900.*)

Approximate position, lat. 31° 59′ 15″ S., long. 115° 33′ 15″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Rottnest island to Warnbro' sound, No. 1058: Also, List of Lights, part VI, 1900, page 170; Australia Directory, vol. III, 1895, page 356; and Supplement, 1898, relating to that work, page 8.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 280.

[First Publication.]

CHINA SEA—TONG KING GULF—APPROACHES TO HAIFONG.

Kua nam Trieu—Lights established.

THE British Admiralty has given notice (No. 638 of 1900) that the undermentioned lights have been established at Kua nam Trieu:—

1. From a lighthouse on piles, on the bar, erected in a depth of 16 feet at low water, a *fixed white* dioptric light of the 4th order, elevated 37 feet above high water, and visible about 6 miles through an arc of 270° or between the bearings of S. 9° E., through west and north, and N. 81° E.
   The lighthouse, 65 feet high, is of metallic piles, with red lantern.

   Approximate position, lat. 20° 43′ 15″ N., long. 106° 54′ 35″ E.

   (*Variation 2° Easterly in 1900.*)

2. From two structures on the sand extending from Dinh Vu island, two *fixed* dioptric lights of the 4th order, leading over the bar.
   The front light is *red*, elevated 27 feet above high water, and visible about 6 miles through an arc of 180°, or between the bearings of N. 44° W., through west and south, and S. 44° E.
   The lighthouse, 53 feet high, is a black shed on metallic piles.

   Approximate position, lat. 20° 45′ 50″ N., long. 106° 50′ 15″ E.

The rear light is *white*, elevated 46 feet above high water, and visible about 6 miles between the bearings of N. 46° W. and N. 71° W.

The lighthouse, 63 feet high, is a column with black lantern erected on piles.

Approximate position, lat. 20° 46′ 40″ N., long. 106° 48′ 55″ E.

3. Two *fixed white* dioptric lights of the 4th order, leading up the fairway after crossing the bar to the first curve in the Kua nam Trieu.

The front light, elevated 27 feet above high water, is visible about 6 miles over an arc of 180°, or between the bearings of N. 62° W., through north and east, and S. 62° E.

The lighthouse, 51 feet high, is a red shed on red piles.

Approximate position, lat. 20° 50′ 0″ N., long. 106° 48′ 15″ E.

The rear light, situated about 1¾ miles N., 32° W. of the front light, elevated 53 feet above high water, is visible about 6 miles between the bearings of N. 19° W. and N. 44° W.

The lighthouse, 57 feet high, is of redpiles, and red latern. (*Notice No. 638 of 1900.*)

This Notice affects the following Admiralty Charts:—Tong King gulf, No. 2062; Kua Lacht to Kao Tao shan islands, No. 1965; Approaches to Haifong, No. 775: Also, China Sea Directory, vol. II, 1899, page 445; List of Lights, part VI, 1900, page 110.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 266.

[Second Publication.]

AUSTRALIA—FITZROY RIVER.

New cutting through the upstream portion, Upper Flats.

THE Port Master Brisbane, has given notice (No. 17 of 1900) that a New Cutting 200 feet wide, and carrying 14 feet at L.W.S., has been dredged through the upstream portion of the Upper Flats, Fitzroy River, and is now marked for Navigation.

Directions.—After passing the Upper Flats Lightship enter the cutting with leading lights and beacons in line astern bearing S. 55° E. as hitherto, and continue on that line until a black buoy boat, carrying a white light at night, is reached on the port hand, when a pair of white leading beacons, showing white lights at night, are to be brought in line astern bearing S. 38° E.; these mark the new cutting. Continue on this lead about three-quarters of a mile, then keep a mid-channel course as hitherto.

Australia Directory, vol. 2; Admiralty Chart No. 363.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 267.

[Second Publication.]

ARABIA, NORTH-EAST COAST—PERSIAN GULF.

Bahrein harbour—Beacon erected.

THE following Notice to Mariners (No. 90 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Officer Commanding R. I. M. S. *Lawrence* dated Bushire, 23rd September 1900, that a pole beacon with a basket cage on top painted black has been erected in the Bahrein harbour to mark the outer edge of Ras Zarwan Reef.

Position :—Fort near the south-west point of Mubarrak, S. 73° W., distance 2 miles 9½ cables.

Portuguese Fort	...	...	... S. 59° W.
Khaseifa Island	...	...	... N. 58° E.

(The bearings are magnetic.)

This Notice affects the following Admiralty Charts :—Bahrein Harbour, No. 20; Persian Gulf, northern portion, No. 2837b; Also, Persian Gulf Pilot, 4th edition, 1898, page 135.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 268.

[Second Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka point light temporarily discontinued.

THE following Notice to Mariners (No. 91 of 1900) issued by the Bombay Government is republished :—

Information has been received from the Resident at Baroda, dated 2nd October 1900, that the present light at Dwarka Point will be temporarily discontinued from 15th October 1900 for a couple of months pending the necessary alteration to the existing tower and placing of the improved apparatus for fixing a new light.

This Notice affects the following Admiralty Charts :—Dwarka Point to Diu Head, No. 1420; Gulf of Cutch, No. 43; Coasts of Sind and Cutch, including the Gulf of Cutch, No. 42; Gulf of Cutch to Viziadurg, No. 2736; Karachi to Vengurla, No. 826; Arabian Sea, No. 1012, and Indian Ocean, northern portion, No. 748b; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 267; also Light List, Part VI, 1900, No. 211.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 269.

[Second Publication.]

EASTERN ARCHIPELAGO—MALACCA STRAIT.

Perak river approach—Shoal eastward of Sembilan islands.

THE British Admiralty has given notice (No. 603 of 1900) of the existence of an unknown danger, situated eastward of the Sembilan islands.

The Master of the S.S. *Rosa* reports that, on 28th July 1900, at 8-30 A.M., his vessel, drawing 12 feet, struck heavily on a danger situated about 1¼ miles S. E. from the north-east island of the Sembilan group (186 feet high on Chart No. 1009).

Approximate position on Chart No. 1009, to be considered doubtful, lat. 4° 3′ 30″ N., long. 100° 35′ 10″ E. (*Notice No. 603 of 1900.*)

(*Variation 3° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Acheh head to Tyingkok bay, No. 2760; Malacca strait, No. 1355; Butang group to Pulo Berhala, No. 793; approaches to Perak river, No. 1009 : Also, China Sea Directory, vol. I, 1896, page 166.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 270.

[Second Publication.]

AUSTRALIA, SOUTH—TASMANIA—PORT HOBART.

Sullivan's cove—Alteration in pier head lights.

THE British Admiralty has given notice (No. 604 of 1900) that the following alterations have been made in the lights exhibited on the pier heads in Sullivan's cove, Port Hobart:—

1. On Brook street pier head, a *white fixed* light is exhibited in place of the red and green lights formerly shown.
2. On Elizabeth street pier head, two *white fixed* lights are exhibited vertically in place of one white light formerly shown.
3. On Dunn street pier head, two *green fixed* lights are exhibited vertically in place of three lights, red, green, red formerly shown. (*Notice No. 604 of 1900.*)

Approximate position, lat. 42° 53′ S., long. 147° 20′ E.

This Notice affects the following Admiralty Chart:—Port Hobart, No. 105: Also, List of Lights, part VI, page 222; Australia Directory, vol. I, 1897, page 706.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 271.

[Second Publication.]

AUSTRALIA, SOUTH COAST—APOLLO BAY.

New jetty and light—Old jetty no longer available—Light discontinued.

THE British Admiralty has given notice (No. 606 of 1900) that the old jetty, situated three-quarters of a cable northward of the south (red) beacon on Bunbury point, Apollo bay, is no longer available, and the *red* light on it has been discontinued.

A new jetty, the inner end of which is situated 2¾ cables W. by N. ¾ N. from the north (white) beacon on Bunbury point, and extending thence 500 yards in a direction E. by N. ½ N., into a depth of 12 feet at low water, has been constructed.

A *fixed red* light is exhibited from the head of this jetty, and two warping buoys are moored near it. (*Notice No. 606 of 1900.*)

Approximate position, lat. 38° 46′ S., long. 143° 41′ E.

This Notice affects the following Admiralty Charts:—Bass strait, No. 1695b; Western approach to Bass strait, No. 1063; Anchorages in Bass strait, No. 1694: Also, List of Lights, Part VI, 1900, No. 1104; Australia Directory, vol. I, 1897, page 426.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 272.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kutabdia bank—No buoys on South Patches.

THE British Admiralty has given notice (No. 614 of 1900) that there are now no buoys on South patches, Kutabdia bank; these buoys have consequently been removed from the Admiralty Charts. (*Notice No. 614 of 1900.*)

Approximate position, lat. 21° 30′ N., long. 91° 39′ E.

This Notice affects the following Admiralty Chart:—Mutlah river to Elephant point, No. 859: Also, Bay of Bengal Pilot, 1892, pages 217, 218; Hydrographic Notice, No. 4, of the year 1895.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 252.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the outer bar.

WITH reference to Notice to Mariners No. 250, dated the 8th October, issued by this office, a telegraphic communication has been received from the Port Officer, Chittagong, stating that the water in the outer bar of the Old channel is now only 7 feet reduced. All vessels taking pilots are warned that the New channel (not buoyed) has 11 feet reduced.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 253.

[Third Publication.]

CHINA—TUNG HAI OR EASTERN SEA.

Great Yang tse bank—Shoal reported to the north-eastward of it.

THE British Admiralty has given notice (No. 560 of 1900) that information, dated 22nd August 1900, has been received from the General Manager of the Peninsular and Oriental Company that the S.S. *Socotra*, drawing 18½ feet, when on a voyage from Japan to Shanghai, struck on a shoal north-eastward of the Great Yang tse bank at 9h. 40m. P.M. on 5th June 1900, in approximately lat. 32° 9′ N., long. 125° 7′ E., and that, when the vessel was subsequently docked, clay and stones were found adhering to the damaged portion of the bottom. A shoal, with a depth of 3 fathoms over it, has in consequence been placed on the Chart in the above position.

It is to be observed that in 1896 the P. and O. S.S. *Shanghai* reported having obtained a sounding of 9 fathoms, just after noon, in lat. 32° 1′ N, long. 125° 9′ E.: the weather at the time was fine, but foggy, and consequently no astronomical observations were obtained. On receipt of this report Notice to Mariners No. 312 of 1896 was issued, and amended afterwards by Notice to Mariners No. 613 of 1896.

In December 1896 H.M.S. *Plover* was sent to search for this reported shoal, and sounded over an area of 4 miles without finding any such depths. When this information was received, Notice to Mariners No. 340 of 1897 was issued, expunging the 9-fathom sounding from the Chart.

These are, however, not the only reports of a shoal in this locality, as in 1868 H.M. Surveying Vessel *Sylvia* searched for breakers reported by P.M. S.S. *Costa Rica* in lat. 32° 10′ N., long. 125° 3′ E., without finding any sign of danger, the depths all round being very even (about 25 fathoms) over a space of 15 square miles.

Whilst it is difficult to suppose that a danger could continuously exist on a route so much frequented as that between the Yang tse and Japan without having been more frequently reported, it is evident a bank of some sort must have existed somewhere in the neighbourhood in June last, and, until the area has been thoroughly examined, mariners are warned to avoid the locality.

It is not impossible that such banks may occasionally be formed by the deposit brought down by the Yang tse when in flood, and afterwards dispersed by wave action in the N.E. monsoon. (*Notice No. 560 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 1263; Nipon island, &c., No. 2347; Hongkong to Liau tung gulf, No. 1262; Amoy to Nagasaki, No. 2412: Also, China Sea Directory, vol. III. 1894, page 518; and Suppement, 1898, page 27.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 254.

[Third Publication.]

PACIFIC OCEAN—PHILIPPINES—LUZON—LINGAYEN GULF.

Port Sual—Light not exhibited—Information on shoals.

THE British Admiralty has given notice (No. 565 of 1900) that no light is exhibited on Portuguese point, port Sual, also that "Adela rocks" are in reality a sand spit extending from Mangas point, and that there are several rocky heads in the northern part of the port.

Approximate position, lat. 16° 6′ N., long. 120° 6′ E.

NOTE.—The plan of port Sual on Admiralty Chart No. 2454 must be used with caution. (*Notice No. 565 of 1900.*)

This Notice affects the following Admiralty Charts:—Island of Luzon, No. 2454: Also List of Lights, part VI, 1900, No. 625; Eastern Archipelago, part I, 1890, pages 44, 45; Revised Supplement, 1898, relating to that work, page 4, and China Sea Directory, vol. II, 1899, pages 321, 322.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 255.

[Third Publication.]

PACIFIC OCEAN—PHILIPPINES—LUZON ISLAND.

Shoals westward of Polillo island.

THE British Admiralty has given notice (No. 566 of 1900) that a shoal, with a depth of 9 feet over it, is reported to exist in the channel between Polillo island and Luzon, about midway between S. Miguel and Inagikan point, in approximately lat. 14° 48′ N., long. 121° 54′ E. (*Notice No. 566 of 1900.*)

This Notice affects the following Admiralty Charts:—China sea, No. 2661b; Philippine islands, No. 943; St. Barnardino and Mindoro straits, No. 2577: Also, Eastern Archipelago, part I, 1890, page 337.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 256.

[Third Publication.]

PACIFIC OCEAN—NEW CALEDONIA.

Tchio—Custom house—Pilot station, &c.

WITH reference to Notice to Mariners No. 81, dated the 21st April 1899, issued by this office, the British Admiralty has given further notice (No. 567 of 1900) that there is a Custom house and Pilot station at Tchio. Vessels need not necessarily therefore proceed to Nouméa for the purpose of entry and clearance when bound to Tchio. (*Notice No. 567 of 1900.*)

Approximate position, lat. 21° 37′ S., long. 166° 13′ E.

This Notice affects the following Admiralty Chart:—New Caledonia, No. 936b: Also, Pacific islands, vol. I, part II, 1893, page 111.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 257.

[Third Publication.]

PACIFIC OCEAN—THE PHILLIPINES—MINDANAO, NORTH-EAST COAST.

Reef extending from point Kauit.

THE British Admiralty has given notice (No. 569 of 1900) that it is reported a reef extends north-eastward from point Kauit for a distance of fully 5 miles.

Approximate position, lat. 9° 22′ N., long. 126° 17′ E.

Also, that the islands between Mindanao and Dinagat are very incorrectly charted, and a note to this effect has been placed on the Chart. (*Notice No. 569 of 1900.*)

This Notice affects the following Admiralty Charts:—Philippine islands, No. 943; Sulu sea, No. 2578: Also, Eastern Archipelago, part I, 1890, page 127.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 258.

[Third Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head and leading lights—Intended alteration and exhibition.

THE British Admiralty has given notice (No. 572 of 1900) that it is intended to make the following alterations and additions to the lights of port Curtis:—

1. Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, will be exhibited showing the following sectors:—*white* from the bearing of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N. 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.
   It will be shown from a cylindrical tower, 38 feet high, painted white with red dome, now being erected about three-quarters of a cable N. 11° E. from the present light.
   When this light is exhibited the present light will be extinguished.

   Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

2. Near the entrance to the Boyne river, two 4th order leading lights will be established: the front light, elevated 66 feet above high water and visible 12 miles, will be shown from a skeleton tower, 30 feet high, painted white; the rear light, elevated 121 feet above high water and visible 14 miles, will be shown from a square building painted white on a hill at a distance of 9½ cables S. 75° W. from the front light.
   These lights, in line S. 75° W., are intended to lead through the south channel entrance.

3. On the western slope of Gatcombe head two other leading lights will be established: the front light, elevated 32 feet above high water, will be shown from a small house; and the rear light, elevated 66 feet above high water, from a skeleton tower.
   It is expected that these leading lights will be ready for exhibition shortly, but further notice on the subject will be given. (*Notice No. 572 of 1900.*)

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 259.

[Third Publication.]

AUSTRALIA, EAST COAST.

Pipon island light - Intended exhibition of and withdrawal of channel rock light-vessel.

THE British Admiralty has given notice (No. 574 of 1900) that, on or about 15th November 1900, a dioptric *fixed* light of the 4th order would be exhibited from the southern island of the Pipon group

Pipon island light will be elevated 55 feet above high water, and visible in clear weather from a distance of 13 miles, and will show the following sectors:—*White* from the bearing of N. 72° W., through north, to N. 53° E.; *red* from N. 53° E. to N. 76° E.; *white* from N. 76° E. to N. 88° E.

It will be exhibited from a skeleton tower 60 feet high, and painted red, erected on the southern island in lat. 14° 7′ 20″ S., long. 144° 30′ 50″ E.

When this light is exhibited Channel rock light-vessel will be withdrawn.

Further notice will be given when information has been received that these alterations have been made. (*Notice No. 574 of 1900.*)

(*Variation 5° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—Turtle group to Claremont point, No. 2922: Also, List of Lights, part VI, 1900, page 214, No. 1328; and Australia Directory, vol. II, 1898, page 365.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLE.,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 260.

[Third Publication.]

AUSTRALIA, EAST COAST—GRAFTON PASSAGE.

Shoal soundings obtained.

THE British Admiralty has given notice (No. 575 of 1900) that information, dated 1st June 1900, has been received from Commander N. G. Macalister, H. M. S. *Torch*, that the following shoal soundings were obtained from his vessel when passing through Grafton passage:—

1. A sounding of 8 fathoms with summit of Fitzroy island bearing S. 31° W., and False cape S. 60° W.
   Approximate position, lat. 16° 45′ S., long. 146° 8′ E.
2. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and False cape S. 58° W.
3. A sounding of 9 fathoms with south shoulder of Fitzroy island in line with north-west Bell peak S. 30° W., and Euston reef centre S. 58° E. (*Notice No. 575 of 1900.*)

(*Variation 6° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Cape Grafton to Hope islands, No. 2924; Double island to cape Grafton, No. 2350: Also, Australia Directory, vol. II, 1898. page 376.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 261.

[Third Publication.]

AUSTRALIA—NORTH-WEST COAST.

Non-existence of Eldorado rocks and Squaw shoals.

THE British Admiralty has given notice (No. 576 of 1900) respecting an unsuccessful search for the undermentioned rocks and shoal off the north-west coast of Australia:—

1. ELDORADO ROCKS, in approximately lat. 18° 20′ S., long. 117° 45′ E., were searched for over an area of 230 square miles in their reported locality, in exceptionally clear and fine whether. Nothing, however, was seen or any indication of shoal water found, the soundings of from 160 to 350 fathoms, showing a gradual slope of the bottom to the north-westward.

These rocks were reported to have been seen from a distance of 5 or 6 miles by M. Pertis, of the French ship *Eldorado*, on 20th May 1879, the weather at the time being cloudy with rain, and a sounding of 105 fathoms being also obtained. They appeared to consist of two rocks from 16 to 18 feet high. In 1880 the Admiralty surveying vessel *Meda* devoted several days to the search for these rocks without seeing them, and, as the *Penguin* has now been equally unsuccessful, it is considered that these rocks do not exist, and they have consequently been erased from the Charts.

2. SQUAW SHOAL, reported in 1860 as a dangerous 10-feet patch, in approximately lat. 20° 41′ S., long. 114° 17′ E., was also searched for without effect. An area of 200 square miles was sounded over in the reported vicinity of this shoal, during exceptionally clear and fine weather, with a very long ocean swell, and the bottom was found to have a gradual slope to the north-westward, the depth over the reported position being 539 fathoms globigerina ooze.

The German frigate *Gazelle* in 1875, and the Admiralty surveying vessel *Meda* in 1880, passed over the assigned position of this danger, and H. M. surveying vessel *Penguin* on a previous voyage in 1891 passed within 1½ miles of it without seeing any indication of shoal water. It is therefore considered that this shoal cannot exist, and it has been erased from the Charts. (*Notice No. 576 of 1900.*)

This Notice affects the following Admiralty Charts:—Indian ocean, No. 748a; Australia, northern portion, No. 2759a; Bedout island to cape Cuvier, No. 1055; North-west coast of Australia, No. 475; Buccaneer Archipelago to Bedout island, No. 1048: Also, Australia Directory, vol. III, 1895, pages 271, 302; and Supplement, 1898, relating to that work, page 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 262.

[Third Publication.]

CHINA—PE CHILI STRAIT.

Rock in Chang Shan channel.

THE British Admiralty has given notice (No. 585 of 1900) of the existence of a sunken ledge in Chang Shan channel, gulf of Pe Chili.

This ledge, which is of small extent, has a depth of 3½ fathoms over it, and is situated with Rock (25 feet high) bearing S. 18° W., distant four cables, and the north-east extreme of Chang Shan island, S. 63° E. (*Notice No. 585 of 1900.*)

Approximate position, lat. 38° 0′ 30″ N., long. 120° 40′ 20″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Pe Chili and Lain tung gulfs No. 1256; Kyau chau bay to Maiu-tau strait, No. 1255; Pe Chili strait, No. 1392: Also China Sea Directory, vol. III, 1894, page 567.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 12th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 263.

Third Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Leading lights and light-vessel established in English Pass.

THE British Admiralty has given notice (No. 588 of 1900) that *white fixed* lights are now shown from the white stone pillar on Bet-el-Ras, and also from the mast on the edge of the reef. These two lights which, when in line bear N. E. ½ E., lead clear of the turning buoy into the harbour.

A small vessel showing a *red fixed* light, visible 2 miles, has been moored between the red buoys in English pass. (*Notice No. 588 of 1900.*)

Approximate position, lat. 6° 7′ 45″ S., long. 39° 12′ 25″ E.

This Notice affects the following Admiralty Charts:—Pangani to Ras Kimbiji, &c No. 640b: Zanzibar harbour, No. 665: Also, List of Lights, part VI, 1900, page 20; African Pilot, part III, 1897, page 440.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 264.

[Third Publication.]

NEW ZEALAND—NORTH ISLAND.

East island—Light exibited.

WITH reference to Notice to Mariners No. 13, dated the 20th January 1900, issued by this office, the British Admiralty has given further notice (No. 595 of 1900) that a dioptric light of the 2nd order was exibited from the lighthouse on East island off East cape on the 9th August 1900.

East island light is a *flashing white* light *every ten seconds*; it is elevated 362 feet above high water, and visible in clear weather from a distance of 22 miles, seaward, over an arc of about 280°, or as far as the land will permit.

The lighthouse is an iron tower 69 feet high, painted white. (*Notice No. 595 of 1900.*)

Approximate position, lat. 37° 40′ S., long. 178° 36′ E.

This Notice affects the following Admiralty Charts:—New Zealand, No. 1212; Mayor island to Poverty bay, No. 2527: Also, List of Lights, part VI, 1900, No. 1411; and New Zealand Pilot, 1891, page 147.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 12th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 265.

[Third Publication.]

AUSTRALIA.

Gatcombe head light—Notices Nos. 11 and 15 amended.

WITH reference to Notice to Mariners No. 200, dated 11th August last, issued by this office, the Port Master, Brisbane, has given notice (No. 16 of 1900) that the sectors of the Gatcombe Head Light have been re-adjusted as follows, namely:—

White between S. 46 W. and N. 71 W. (Intensified on northern edge.)
Obscured between N. 71 W. and N. 46 W.
White between N. 46 W. and N. 17 E.
Red between N. 17 E. and N. 37 E.
White between N. 37 E. and N. 65 E.
Obscured between N. 65 E. and S. 46 W.

Between the bearings of S. 46 W. and about S. 42 W. a dim light is visible, which must not be mistaken for the white sector to the southward.

Bearings are magnetic and from seaward.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 5th October 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 7, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 281.

[First Publication.]

PACIFIC OCEAN.

Sailing directions for the Pacific islands.

THE following Notice to Mariners (No. 647 of 1900) issued by the British Admiralty is republished:—

Volumes 1 and 3 of the Revised Sailing Directions for the Pacific Islands (to be issued in three volumes instead of two volumes as at present) being now ready, are issued at once, without waiting for Volume 2, which will not be ready before the end of 1900.

The new Volume 1 (1900) cancels the whole of the old Volume 1 (1890), excepting chapter v, from pages 286 to 356. It also cancels pages 191 to 204 of China Sea Directory, Volume 4 (1894), and Supplement, 1894, relating to Pacific islands, vol. 1, part 1.

The old Volume 1 (1890) and Volume 1, part 2 (1893), will therefore have to be retained for reference until Volume 2 is published, as also Hydrographic Notices, Nos. 1 of 1894; 1 of 1895; 7 of 1895; and 7 of 1897.

The new Volume 3 cancels that part of Volume 2 from page 273 to the end.

When the new 2nd volume is published, all the old directions, including Volume 1, part 2, and the Hydrographic Notices named above, will be cancelled. (*Notice No. 647 of 1900.*)

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 282.

[First Publication.]

PACIFIC OCEAN—PACIFIC ISLAND, MEIACO SIMA.

Non-existence of Ykima island.

THE following Notice to Mariners (No. 649 of 1900) issued by the British Admiralty is republished:—

Information has been published by the United States Government, dated 4th August 1900, that Commander Seaton Schroeder, of the U.S.S. *Yosemite*, reports having sounded in 290 fathoms without obtaining bottom in lat. 24° 25′ N., long. 125° 29′ E., or on the position where an island named Ykima is shown on the Charts to the southward of the Meiaco Sima group.

The day was clear with a perfect condition of visibility, but no island could be seen.

Ykima island appears to have been placed originally on a Chart of the China Sea published by the East India Company's Hydrographer (Horsburgh) in 1835. No mention was made of its existence in any of the earlier editions of Horsburgh directory, nor is any account of it given in any edition of that directory.

In 1843 Sir E. Belcher, in H.M.S. *Samarang*, looked for this island, but failed to find it.

In 1856 the U.S. expedition under Commodore Perry also looked for Ykima without effect.

In 1870 Captain G. H. Schoof, of the German barque *Uranus*, passed over its position without seeing any such island.

No such island is shown on the plan of Meiaco Sima islands by Captain Broughton of H.M.S. *Providence*, 1795.

As no authority can be found for placing Ykima island on the Chart in the position given above, and as no report of its existence can be traced, it is considered probable that this island must be identical with Ikema island shown on the Chart in lat. 24° 56′ N., long. 125° 16½′ E., at the north end of Taipinsan island.

Ykima island, in lat. 24° 25′ N., long. 125° 29′ E., has been consequently erased from the Admiralty Charts. (*Notice No. 649 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific, No. 781; China sea, No. 1263; Hong Kong to Liau-tung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Meiaco Sima group, No. 2105: Also, China Sea Directory, vol. IV, page 214.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 283.

[First Publication.]

INDIA, SOUTH—Ceylon, south-west coast.

Colombo—Light-boat changed in position.

With reference to Notice to Mariners No. 240, dated the 9th December 1899, issued by this office, the British Admiralty has given further notice (No. 654 of 1900) that, on 15th October, the light-boat, showing a *red occulting* light *every fifteen seconds*, and marking the south-west end of the rubble mound of the north-west breakwater would be moved 200 feet south-westward.

From the new position of the light-boat the lighthouse of the south-west breakwater will bear S. W. by S., distant 485 yards. (*Notice No. 654 of 1900.*)

Approximate position, lat. 6° 58′ N., long. 79° 51′ E.

This Notice affects the following Admiralty Charts:—Ceylon, south coast, No. 813; Colombo harbour, No. 914: Also, List of Lights, part VI, 1900, No. 291a; Bay of Bengal Pilot, 1892, page 45; West coast of Hindustan Pilot, 1898, pages 94, 95.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 284.

[First Publication.]

AFRICA, SOUTH-EAST COAST—Port Natal.

Intended discontinuance of Rocket-house beacon and light.

The British Admiralty has given notice (No. 658 of 1900) that, on and from 1st January 1901, Rocket-house beacon and the three *white* lights exhibited therefrom will be discontinued.

The Town hall tower (situated in West street), by day, and the electric lights in the same street, by night, will give approximately the same anchorage bearing as the Rocket-house beacon and lights. (*Notice No. 658 of 1900.*)

Approximate position, lat. 29° 51′ 40″ S., long. 31° 2′ 10″ E.

This Notice affects the following Admiralty Chart :—Port Natal, No. 643 : Also, List of Lights, part VI, 1900, No. 32; Africa Pilot, part III, 1897, page 173.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 285.

[First Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head—New light exhibited.

WITH reference to Notice to Mariners No. 258, dated the 12th ultimo, issued by this office, the British Admiralty has given further notice (No. 659 of 1900) that Gatcombe head new light, Port Curtis, is now exhibited.

Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, is now exhibited showing the following sectors :—*white* from the bearings of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.

It is shown from a cylindrical tower, 38 feet high, painted white with red dome, erected 150 yards N. 11° E. from the former light.

The former light is extinguished.

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Leading lights are also exhibited from Gatcombe head and from near the entrance to the river Boyne, but their exact positions are not given. (*Notice No. 659 of 1900.*)

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900 : Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 286.

[First Publication.]

AUSTRALIA, NORTH COAST—HOWARD CHANNEL—CLARENCE STRAIT.

An iron tripod beacon erected to mark the "Henry Ellis" reef.

THE President, Marine Board, port Adelaide, has given notice (No. 7 of 1900) that an iron tripod beacon has been erected to mark the Henry Ellis Reef.

The beacon, which is placed on the north-western extremity of the reef, is 18 feet 6 inches above high water, and is surmounted by a diamond-shaped head.

This affects Admiralty Charts Nos. 613, 925, and 1044.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 273.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the Outer bar.

WITH reference to Notice to Mariners No. 252, dated the 17th October, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that soundings taken on the Outer bar on the 20th idem give the following depths:—

Track, disc on with mast, cask and ball	...	...	11 feet reduced.
New Track for Pilots only	...	...	12 ,, ,,

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 274.

[Second Publication.]

Admiralty Charts.

THE following Notice to Mariners issued by the British Admiralty (No. 643 of 1900) is republished for general information:—

In connection with arrangements at the Hydrographic Office, a second or "new" number is now being placed on all Admiralty Charts in the left-hand lower corner and in brackets, thus [1794].

These new numbers will approximately follow the consecutive order of the Charts as they stand in the Catalogue of Admiralty Charts, and may possibly in the future come into general use, but for the present no notice whatever should be taken of them by Navigating Officers of H. M. Ships, Sub-agents for Charts, or Mariners, and others using the Admiralty Charts, and the Charts should be quoted as heretofore by the number in the *right-hand lower corner* of every sheet.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 275.

[Second Publication.]

AFRICA, EAST COAST—POMBA (MWAWBI BAY).

Intended lights and buoys.

THE British Admiralty has given notice (No. 618 of 1900) that it is intented to exibit the undermentioned lights at Pomba bay:—

1. On north point a *fixed white* light, showing a *red* sector over the sand spit extending from South point. It will be elevated 45 feet above high water, and visible in clear weather from a distance of 9 miles. The lighthouse is an open lattice iron tower.
2. A *red* light will be shown from a jetty now under construction.

The sand spit off South point will be marked by a black buoy in 9 fathoms. (*Notice No. 618 of 1900.*)

Approximate position, lat. 12° 55′ 50″ S., long. 40° 31′ 20″ E.

This Notice affects the following Admiralty Chart:—Mozambique harbour to Ras Pekawi, No. 1809: Also, List of Lights, part VI, 1900, page 12, Africa Pilot, part III, page 308.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 276.

[Second Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Pilot hulk's position altered.

THE British Admiralty has given notice (No. 620 of 1900) that the Pilot hulk, formerly moored near Cockburn shoal buoy, has been moved, and is now situated with Inyack light-house bearing S. 2° W., distant $3\frac{8}{10}$ miles, and Gibbon point beacon S. 76° W. (*Notice No. 620 of 1900.*)

Approximate position, lat. 25° 55′ 15″ S., long 32° 58′ 10″ E.

CAUTION.—As this Pilot hulk appears to be liable to be shifted in position without notice, it is evident it cannot be relied on as a navigational mark.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Delagoa bay to river Zambesi, No. 648; Tugela river to Delagoa bay, No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, part III, 1897, pages 194, 195.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 277.

[Second Publication.]

AFRICA, EAST COAST—PORT MOMBASA.

Intended light on Ras Serani.

THE British Admiralty has given notice (No. 622 of 1900) that, about the end of September 1900, a light will be exhibited on Ras Serani, Port Mombasa.

Ras Serani light will be *fixed white*, shown from a steel mast, 60 feet high, situated at the back of the Inner Pillar; it will be visible from a distance of 12 miles between the bearings S. 60° W., through west, and N. 20° E. (*Notice No. 622 of 1900.*)

Approximate position, lat. 4° $4\frac{1}{2}$′ S., long. 39° 41′ E.

This Notice affects the following Admiralty Chart:—Port Mombasa, &c., No. 666: Also, List of Lights, part VI, 1900, No. 62; African Pilot, part III, 1897, page 491.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 278.

[Second Publication.]

PACIFIC OCEAN—NEW HEBRIDES—EFATE ISLAND.

Fila harbour—Outer leading light altered in colour.

THE British Admiralty has given notice (No. 624 of 1900) that the Outer leading light at Fila harbour, Efate island, has been altered from fixed white to *fixed red.* (*Notice No. 624 of 1900.*)

Approximate position, lat. 17° 44′ 10″ S., long. 168° 18′ 50″ E.

This Notice affects the following Admiralty Chart:—Anchorages in the New Hebrides, No. 1637: Also, List of Lights, part VI, 1900, No. 155, and part VII, 1900, page 82; Pacific islands, vol. I, part II, 1893, page 201.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 279.

[Second Publication.]

AUSTRALIA, WEST—ROTTNEST ISLAND.

Bathurst point—Light exhibited.

WITH reference to Notice to Mariners No. 126, dated the 26th May 1900, issued by this office, the British Admiralty has given further notice (No. 628 of 1900) that, on 1st September 1900, the light would be exhibited.

Bathurst point light is *white fixed* dioptric of the 2nd order shown from a grey stone tower on Bathurst point, Rottnest island. The light is elevated 98 feet above high water, and visible in clear weather, from a distance of 15 miles, between the bearings S. 82° E., through south and west, to N. 59° W. (*Notice No. 628 of 1900.*)

Approximate position, lat. 31° 59′ 15″ S., long. 115° 33′ 15″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Rottnest island to Warnbro' sound, No. 1058: Also, List of Lights, part VI, 1900, page 170; Australia Directory, vol. III, 1895, page 356; and Supplement, 1898, relating to that work, page 8.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 26th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 280.

[Second Publication.]

CHINA SEA—TONG KING GULF—APPROACHES TO HAIFONG.

Kua nam Trieu—Lights established.

THE British Admiralty has given notice (No. 638 of 1900) that the undermentioned lights have been established at Kua nam Trieu:—

1. From a lighthouse on piles, on the bar, erected in a depth of 16 feet at low water, a *fixed white* dioptric light of the 4th order, elevated 37 feet above high water, and visible about 6 miles through an arc of 270° or between the bearings of S. 9° E., through west and north, and N. 81° E.
   The lighthouse, 65 feet high, is of metallic piles, with red lantern.

   Approximate position, lat. 20° 43′ 15″ N., long. 106° 54′ 35″ E.

   (*Variation 2° Easterly in 1900.*)

2. From two structures on the sand extending from Dinh Vu island, two *fixed* dioptric lights of the 4th order, leading over the bar.
   The front light is *red*, elevated 27 feet above high water, and visible about 6 miles through an arc of 180°, or between the bearings of N. 44° W., through west and south, and S. 44° E.
   The lighthouse, 53 feet high, is a black shed on metallic piles.

   Approximate position, lat. 20° 45′ 50″ N., long. 106° 50′ 15″ E.

   The rear light is *white*, elevated 46 feet above high water, and visible about 6 miles between the bearings of N. 46° W. and N. 71° W.
   The lighthouse, 63 feet high, is a column with black lantern erected on piles.

   Approximate position, lat. 20° 46′ 40″ N., long. 106° 48′ 55″ E.

3. Two *fixed white* dioptric lights of the 4th order, leading up the fairway after crossing the bar to the first curve in the Kua nam Trieu.
   The front light, elevated 27 feet above high water, is visible about 6 miles over an arc of 180°, or between the bearings of N. 62° W., through north and east, and S. 62° E.
   The lighthouse, 51 feet high, is a red shed on red piles.

   Approximate position, lat. 20° 50′ 0″ N., long. 106° 48′ 15″ E.

The rear light, situated about 1⅞ miles N., 32° W. of the front light, elevated 53 feet above high water, is visible about 6 miles between the bearings of N. 19° W. and N. 44° W.

The lighthouse, 57 feet high, is of redpiles, and red latern. (*Notice No. 638 of 1900.*)

This Notice affects the following Admiralty Charts :—Tong King gulf, No. 2062 ; Kau Lacht to Kao Tao shan islands, No. 1965 ; Approaches to Haifong, No. 775 : Also, China Sea Directory, vol. II, 1899, page 445 ; List of Lights, part VI, 1900, page 110.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 26th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 266.

[Third Publication.]

AUSTRALIA—FITZROY RIVER.

New cutting through the upstream portion, Upper Flats.

THE Port Master Brisbane, has given notice (No. 17 of 1900) that a New Cutting 200 feet wide, and carrying 14 feet at L.W.S., has been dredged through the upstream portion of the Upper Flats, Fitzroy River, and is now marked for Navigation.

Directions.—After passing the Upper Flats Lightship enter the cutting with leading lights and beacons in line astern bearing S. 55° E. as hitherto, and continue on that line until a black buoy boat, carrying a white light at night, is reached on the port hand, when a pair of white leading beacons, showing white lights at night, are to be brought in line astern bearing S. 38° E. ; these mark the new cutting. Continue on this lead about three-quarters of a mile, then keep a mid-channel course as hitherto.

Australia Directory, vol. 2 ; Admiralty Chart No. 363.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 267.

[Third Publication.]

ARABIA, NORTH-EAST COAST—PERSIAN GULF.

Bahrein harbour—Beacon erected.

THE following Notice to Mariners (No. 90 of 1900) issued by the Bombay Government is republished :—

Information has been received from the Officer Commanding R. I. M. S. *Lawrence* dated Bushire, 23rd September 1900, that a pole beacon with a basket cage on top painted black has been erected in the Bahrein harbour to mark the outer edge of Ras Zarwan Reef.

Position :—Fort near the south-west point of Mubarrak, S. 73° W., distance 2 miles 9¼ cables.

Portuguese Fort	...	...	...	S. 59° W.
Khaseifa Island	...	...	...	N. 58° E.

(The bearings are magnetic.)

This Notice affects the following Admiralty Charts :—Bahrein Harbour, No. 20 ; Persian Gulf, northern portion, No. 2837b : Also, Persian Gulf Pilot, 4th edition, 1898, page 135.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 268.

[Third Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka point light temporarily discontinued.

THE following Notice to Mariners (No. 91 of 1900) issued by the Bombay Government is republished:—

Information has been received from the Resident at Baroda, dated 2nd October 1900, that the present light at Dwarka Point will be temporarily discontinued from 15th October 1900 for a couple of months pending the necessary alteration to the existing tower and placing of the improved apparatus for fixing a new light.

This Notice affects the following Admiralty Charts:—Dwarka Point to Diu Head, No. 1420; Gulf of Cutch, No. 43; Coasts of Sind and Cutch, including the Gulf of Cutch, No. 42; Gulf of Cutch to Viziadurg, No. 2736; Karachi to Vengurla, No. 826; Arabian Sea, No. 1012, and Indian Ocean, northern portion, No. 748b; also West Coast of Hindustan Pilot, 4th Edition, 1898, page 267; also Light List, Part VI, 1900, No. 211.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 269.

[Third Publication.]

EASTERN ARCHIPELAGO—MALACCA STRAIT.

Perak river approach—Shoal eastward of Sembilan islands.

THE British Admiralty has given notice (No. 603 of 1900) of the existence of an unknown danger, situated eastward of the Sembilan islands.

The Master of the S.S. *Rosa* reports that, on 28th July 1900, at 8-30 A.M., his vessel, drawing 12 feet, struck heavily on a danger situated about 1¼ miles S. E. from the north-east island of the Sembilan group (186 feet high on Chart No. 1009).

Approximate position on Chart No. 1009, to be considered doubtful, lat. 4° 3′ 30″ N. long. 100° 35′ 10″ E. (*Notice No. 603 of 1900.*)

(*Variation 3° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Acheh head to Tyingkok bay No. 2760; Malacca strait, No. 1355; Butang group to Pulo Berhala, No. 793; approaches to Perak river, No. 1009: Also, China Sea Directory, vol. I, 1896, page 166.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 20th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 270.

[Third Publication.]

AUSTRALIA, SOUTH—TASMANIA—PORT HOBART.

Sullivan's cove—Alteration in pier head lights.

THE British Admiralty has given notice (No. 604 of 1900) that the following alterations have been made in the lights exhibited on the pier heads in Sullivan's cove, Port Hobart:—

1. On Brook street pier head, a *white fixed* light is exhibited in place of the red and green lights formerly shown.
2. On Elizabeth street pier head, two *white fixed* lights are exhibited vertically in place of one white light formerly shown.

3. On Dunn street pier head, two *green fixed* lights are exhibited vertically in place of three lights, red, green, red formerly shown. (*Notice No. 604 of 1900.*)

Approximate position, lat. 42° 53′ S., long. 147° 20′ E.

This Notice affects the following Admiralty Chart :—Port Hobart, No. 105 : Also, List of Lights, part VI, page 222; Australia Directory, vol. I, 1897, page 706.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 271.

[Third Publication.]

AUSTRALIA, SOUTH COAST—APOLLO BAY.

New jetty and light—Old jetty no longer available—Light discontinued.

THE British Admiralty has given notice (No. 606 of 1900) that the old jetty, situated three-quarters of a cable northward of the south (red) beacon on Bunbury point, Apollo bay, is no longer available, and the *red* light on it has been discontinued.

A new jetty, the inner end of which is situated 2¾ cables W. by N. ¾ N. from the north (white) beacon on Bunbury point, and extending thence 500 yards in a direction E. by N. ½ N., into a depth of 12 feet at low water, has been constructed.

A *fixed red* light is exhibited from the head of this jetty, and two warping buoys are moored near it. (*Notice No. 606 of 1900.*)

Approximate position, lat. 38° 46′ S., long. 143° 41′ E.

This Notice affects the following Admiralty Charts :—Bass strait, No. 1695b; Western approach to Bass strait, No. 1063; Anchorages in Bass strait, No. 1694 : Also, List of Lights, Part VI, 1900, No. 1104; Australia Directory, vol. I, 1897, page 426.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 272.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kutabdia bank—No buoys on South Patches.

THE British Admiralty has given notice (No. 614 of 1900) that there are now no buoys on South patches, Kutabdia bank; these buoys have consequently been removed from the Admiralty Charts. (*Notice No. 614 of 1900.*)

Approximate position, lat. 21° 30′ N., long. 91° 39′ E.

This Notice affects the following Admiralty Chart :—Mutlah river to Elephant point, No. 859 : Also, Bay of Bengal Pilot, 1892, pages 217, 218; Hydrographic Notice, No. 4, of the year 1895.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 20th October 1900.* *Asst. Secy., Marine Department.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 14, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 287.

[First Publication.]

JAPAN SEA—(1) PORT VLADIVOSTOK.

Egerscheld point—Light exhibited.

THE British Admiralty has given notice (No. 664 of 1900) that a light is exhibited on Egerscheld point, Vladivostok.

Egerscheld point light is *fixed*, and shows *red* between the bearings of N. 76° E., through north and west, and S. 76° W., and *green* between S. 76° W., through south and east, and N. 76° E.

The light tower is 23 feet high. (*Notice No. 664 of 1900.*)

Approximate position, lat. 43° 5′ 50″ N., long. 131° 51′ 40″ E.

(*Variation 7° Westerly in 1900.*)

(2) EXPEDITION BAY.

Nazimov point—Light altered.

Also, that the light exhibited on Nazimov point, Expedition bay, has been altered.

Nazimov point light is *fixed*, and shows *white* between the bearings of N. 72° W., through south and east, and N. 42° W., and *red* between N. 42° W. and N. 72° W. (*Notice No. 664 of 1900.*)

Approximate position, lat. 42° 38′ 5″ N., long. 130° 48′ 45″ E.

(*Variation 6° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Trinity bay to the Eastern Bosporus, No. 511; Eastern Bosporus strait, No. 1011; Tumen Ula to Strelok bay, No. 2432: Also, List of Lights, part VI, 1900, page 164, and No. 994; China Sea Directory, vol. IV, 1894, pages 156, 149.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C B. BAYLEY,
Asst Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 288.

[First Publication.]

JAPAN—NIPON, SOUTH COAST.

(1) Ura Kami harbour—Rock in the entrance.

THE British Admiralty has given notice (No. 667 of 1900) of the existence of the undermentioned rocks:—

In the entrance to Ura Kami harbour there is a pinnacle rock with a depth of $3\frac{1}{4}$ fathoms over it and upwards of 10 fathoms around, situated with Kantori saki (Arundell point) bearing N.E. $\frac{1}{4}$ N. and Tateishi (Hive rock) summit N.W. by W. $\frac{1}{2}$ W., distant $5\frac{1}{10}$ cables.

Approximate position, lat. 33° 33′ 40″ N., long. 135° 56′ 50″ E.

(Variation 4° Westerly in 1900.)

(2) Oö sima harbour—Rocks in the entrance.

In Oö sima harbour there is a rock with a least depth of $3\frac{1}{2}$ fathoms over it, situated with the summit of a rock near Tojima (Omi) saki bearing E. by N. $\frac{1}{4}$ N., Itsino shima (15 feet) N. W. $\frac{7}{8}$ N., distant $2\frac{1}{2}$ cables, and there are depths of $3\frac{3}{4}$ fathoms and $4\frac{3}{4}$ fathoms, rocky bottoms, within one cable S.S.W. and S.E. from it.

Another rock, with a depth of $4\frac{3}{4}$ fathoms over it, is situated with the summit of a rock near Omi saki bearing E. $\frac{1}{8}$ N. and Itsino shima N.N.W. $\frac{1}{2}$ W., distant one cable.

There are depths of over 5 fathoms between these two rocks. *(Notice No. 667 of 1900.)*

Approximate position of $3\frac{1}{2}$ fathoms, lat. 33° 28′ 45″ N., long. 135° 48′ 30″ E.

(Variation 4° Westerly in 1900.)

This Notice affects the following Admiralty Charts:—Kü channel and Owasi bay, No. 951; Oö sima and Ura Kami harbours, No. 356: Also, China Sea Directory, vol. IV, 1894, pages 264, 265.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 289.

[First Publication.]

KOREA—YUSAN HARBOUR.

Rocks and shoals found.

THE British Admiralty has given notice (No. 668 of 1900) of the existence of the undermentioned rocks and shoals in Fusan harbour:—

1. A rock with a depth of $2\frac{1}{4}$ fathoms over it, situated with the southernmost Kokugan (Black) rocks bearing S. 52° E., distant $8\frac{3}{4}$ cables, and Kaiundai (Magnetic head 565 feet) N. 76° W.
2. A rock with a depth of 5 fathoms over it, situated with Magnetic head (565 feet) bearing N. 63° E., and Tsuzumi iwa (a 3-feet rock lying $6\frac{1}{2}$ cables eastward of Uno se) N. 40° W., distant $8\frac{1}{4}$ cables.
3. A rock with a depth of 3 fathoms over it situated with Tsuzumi iwa bearing N. 43° E., distant about two-thirds of a cable, and Uno se N. 69° W. This rock and Tsuzumi iwa are connected by a reef.
4. A shoal with a depth of 3 fathoms, mud, lies with Zetsuyei to (1,300 feet hill on Deer island) bearing S. 26° E., distant 14 cables, and Tondari East. There are two depths of 3 fathoms respectively S. 19° W., and S. 68° E., distant four-fifths of a cable from this shoal.
5. The depth of $3\frac{3}{4}$ fathoms charted, with Tondari bearing S. 42° E., distant $3\frac{1}{10}$ cables, has increased to 6 fathoms. *(Notice No. 668 of 1900.)*

Approximate position, lat. 35° 6′ N., long. 129° 3′ E.

(Variation 4° Westerly in 1900.)

This Notice affects the following Admiralty Chart:—Fusan harbour, No. 1259: Also, China Sea Directory, vol. IV, 1894, page 128; Supplement, 1898, pages 6 and 7.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 290.

[First Publication.]

KOREA, WEST COAST—PING YANG INLET.

Chel tau anchorage—Rock found.

THE British Admiralty has given notice (No. 669 of 1900) of the existence of a rock, which dries about 4 feet at low water, in Chel tau anchorage.

From the rock Tetto hill (155 feet) bears E.N.E., distant 2½ cables, and the hill (170 feet) on Yo ko ken N.W. (*Notice No. 669 of 1900.*)

Approximate position, lat. 38° 38′ 15″ N., long. 125° 36′ 35″ E.

(*Variation 5° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Ping Yang inlet, No. 1656: Also, China Sea Directory, vol IV, 1894, page 42.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 291.

[First Publication.]

JAPAN—INLAND SEA—SUWO NADA.

Ajisu approach—Reef discovered.

THE British Admiralty has given notice (No. 671 of 1900) of the existence of a reef named Okino se on the north side of Suwo nada.

Okino se reef consists of several rocks, having a least depth over them of about one fathom at low water.

From it, the middle of Hirame se bears N. 13° W., distant 4¾ cables, and Maruyama Zaki summit N. 81° E. (*Notice No. 671 of 1900.*)

Approximate position, lat. 33° 58′ 30″ N., long. 131° 24′ 15″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto Uchi or Inland sea, No. 2875: Also, China Sea Directory, vol. IV, 1894, page 426; and Supplement, 1898, page 24.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 292.

[First Publication.]

AUSTRALIA—TOWNSVILLE, CLEVELAND BAY.

Tide signals.

THE Port Master, Brisbane, has given notice (No. 18 of 1900) that on and after the 1st November Tidal Signals, as herein indicated, will be shown from the Pilot Station, Townsville.

The signals represent the actual tidal rise above low water datum, and should be added to the depth in the cuttings to give the available navigable depth of water. The depths at L.W.O.S. are at present 15 feet in Platypus Channel and 18 inches over the rocky bar into Ross Creek:—

Ft.	In.	By day.	By night.
0	6	Cylinder	... White light.
1	0	Two cylinders horizontal	... Two white lights horizontal.
1	6	Two cylinders vertical	... Two white lights vertical.
2	0	Cone	... Green light.
2	6	Two cones horizontal ...	... Two green lights horizontal.
3	0	Two cones vertical ...	... Two green lights vertical.
3	6	Ball	... Red light.

Ft.	In.	By day.	By night.
4	0	Two balls horizontal	Two red lights horizontal.
4	6	Two balls vertical	Two red lights vertical.
5	0	Cone and cylinder horizontal ...	Green and white lights horizontal.
5	6	Cylinder above cone	White above green light.
6	0	Cone above cylinder	Green above white light.
6	6	Ball and cylinder horizontal ...	Red and white lights horizontal.
7	0	Cylinder above ball	White above red light.
7	6	Ball above cylinder ...	Red above white light.
8	0	Ball and cone horizontal ...	Red and green lights horizontal.
8	6	Cone above ball	Green above red light.
9	0	Ball above cone	Red above green light.
9	6	Cylinder, and cylinder above cone ...	White, and white above green light.
10	0	Cone, and cylinder above cylinder ...	Green, and white above white light.
10	6	Cone, and cone above cylinder ...	Green, and green above white light.
11	0	Cylinder, and cone above cone ...	White, and green above green light.
11	6	Ball, and ball above cylinder ...	Red, and red above white light.
12	0	Cylinder, and ball above ball ...	White, and red above red light.

Chart affected, No. 1102; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 281.

[Second Publication.]

PACIFIC OCEAN.

Sailing directions for the Pacific islands.

THE following Notice to Mariners (No. 647 of 1900) issued by the British Admiralty is republished:—

Volumes 1 and 3 of the Revised Sailing Directions for the Pacific Islands (to be issued in three volumes instead of two volumes as at present) being now ready, are issued at once, without waiting for Volume 2, which will not be ready before the end of 1900.

The new Volume 1 (1900) cancels the whole of the old Volume 1 (1890), excepting chapter v, from pages 286 to 356. It also cancels pages 191 to 204 of China Sea Directory, Volume 4 (1894), and Supplement, 1894, relating to Pacific islands, vol. 1, part 1.

The old Volume 1 (1890) and Volume 1, part 2 (1893), will therefore have to be retained for reference until Volume 2 is published, as also Hydrographic Notices, Nos. 1 of 1894; 1 of 1895; 7 of 1895; and 7 of 1897.

The new Volume 3 cancels that part of Volume 2 from page 273 to the end.

When the new 2nd volume is published, all the old directions, including Volume 1, part 2, and the Hydrographic Notices named above, will be cancelled. (*Notice No. 647 of 1900.*)

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 282.

[Second Publication.]

PACIFIC OCEAN—PACIFIC ISLAND, MEIACO SIMA.

Non-existence of Ykima island.

THE following Notice to Mariners (No. 649 of 1900) issued by the British Admiralty is republished:—

Information has been published by the United States Government, dated 4th August 1900, that Commander Seaton Schroeder, of the U.S.S. *Yosemite*, reports having sounded in 290 fathoms without obtaining bottom in lat. 24° 25′ N., long. 125° 29′ E., or on the position where an island named Ykima is shown on the Charts to the southward of the Meiaco Sima group.

The day was clear with a perfect condition of visibility, but no island could be seen.

Ykima island appears to have been placed originally on a Chart of the China Sea, published by the East India Company's Hydrographer (Horsburgh) in 1835. No mention was made of its existence in any of the earlier editions of Horsburgh directory, nor is any account of it given in any edition of that directory.

In 1843 Sir E. Belcher, in H.M.S. *Samarang*, looked for this island, but failed to find it.

In 1856 the U.S. expedition under Commodore Perry also looked for Ykima without effect.

In 1870 Captain G. H. Schoof, of the German barque *Uranus*, passed over its position without seeing any such island.

No such island is shown on the plan of Meiaco Sima islands by Captain Broughton of H.M.S. *Providence*, 1795.

As no authority can be found for placing Ykima island on the Chart in the position given above, and as no report of its existence can be traced, it is considered probable that this island must be identical with Ikema island shown on the Chart in lat. 24° 56′ N., long. 125° 16¼′ E., at the north end of Taipinsan island.

Ykima island, in lat. 24° 25′ N., long. 125° 29′ E., has been consequently erased from the Admiralty Charts. (*Notice No. 649 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific, No. 781; China sea, No. 1263; Hong Kong to Liau-tung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Meiaco Sima group, No. 2105: Also, China Sea Directory, vol. IV, page 214.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 3rd November 1900.* *Asst. Secy., Marine Department*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 283.

[Second Publication.]

INDIA, SOUTH—Ceylon, south-west coast.

Colombo—Light-boat changed in position.

With reference to Notice to Mariners No. 240, dated the 9th December 1899, issued by this office, the British Admiralty has given further notice (No. 654 of 1900) that, on 15th October, the light-boat, showing a *red occulting* light *every fifteen seconds*, and marking the south-west end of the rubble mound of the north-west breakwater would be moved 200 feet south-westward.

From the new position of the light-boat the lighthouse of the south-west breakwater will bear S. W. by S., distant 485 yards. (*Notice No. 654 of 1900.*)

Approximate position, lat. 6° 58′ N., long. 79° 51′ E.

This Notice affects the following Admiralty Charts:—Ceylon, south coast, No. 813; Colombo harbour, No. 914: Also, List of Lights, part VI, 1900, No. 291a; Bay of Bengal Pilot, 1892, page 45; West coast of Hindustan Pilot, 1898, pages 94, 95.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Calcutta, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 284.

[Second Publication.]

AFRICA, SOUTH-EAST COAST—Port Natal.

Intended discontinuance of Rocket-house beacon and light.

The British Admiralty has given notice (No. 658 of 1900) that, on and from 1st January 1901, Rocket-house beacon and the three *white* lights exhibited therefrom will be discontinued.

The Town hall tower (situated in West street), by day, and the electric lights in the same street, by night, will give approximately the same anchorage bearing as the Rocket-house beacon and lights. (*Notice No. 658 of 1900.*)

Approximate position, lat. 29° 51′ 40″ S., long. 31° 2′ 10″ E.

This Notice affects the following Admiralty Chart :—Port Natal, No. 643 : Also, List of Lights, part VI, 1900, No. 32; Africa Pilot, part III, 1897, page 173.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 285.

[Second Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head—New light exhibited.

WITH reference to Notice to Mariners No. 258, dated the 12th ultimo, issued by this office, the British Admiralty has given further notice (No. 659 of 1900) that Gatcombe head new light, Port Curtis, is now exhibited.

Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, is now exhibited showing the following sectors:—*white* from the bearings of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N. 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.

It is shown from a cylindrical tower, 38 feet high, painted white with red dome, erected 150 yards N. 11° E. from the former light.

The former light is extinguished.

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Leading lights are also exhibited from Gatcombe head and from near the entrance to the river Boyne, but their exact positions are not given. (*Notice No. 659 of 1900.*)

(*Variation 8° Easterly in 1900*)

This Notice affects the following Admiralty Charts :—Sandy cape to Keppel islands No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 286.

[Second Publication.]

AUSTRALIA, NORTH COAST—HOWARD CHANNEL—CLARENCE STRAIT.

An iron tripod beacon erected to mark the "Henry Ellis" reef.

THE President, Marine Board, port Adelaide, has given notice (No. 7 of 1900) that an iron tripod beacon has been erected to mark the Henry Ellis Reef.

The beacon, which is placed on the north-western extremity of the reef, is 18 feet 6 inches above high water, and is surmounted by a diamond-shaped head.

This affects Admiralty Charts Nos. 613, 925, and 1044.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 273.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Chittagong river—Depth of water in the Outer bar.

WITH reference to Notice to Mariners No. 252, dated the 17th October, issued by this office, a further telegraphic communication has been received from the Port Officer, Chittagong, stating that soundings taken on the Outer bar on the 20th idem give the following depths:—

Track, disc on with mast, cask and ball	...	...	11 feet reduced.
New Track for Pilots only	...	...	12 ,, ,,

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 23rd October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 274.

[Third Publication.]

Admiralty Charts.

THE following Notice to Mariners issued by the British Admiralty (No. 643 of 1900) is republished for general information:—

In connection with arrangements at the Hydrographic Office, a second or "new" number is now being placed on all Admiralty Charts in the left-hand lower corner and in brackets, thus [1794].

These new numbers will approximately follow the consecutive order of the Charts as they stand in the Catalogue of Admiralty Charts, and may possibly in the future come into general use, but for the present no notice whatever should be taken of them by Navigating Officers of H. M. Ships, Sub-agents for Charts, or Mariners, and others using the Admiralty Charts, and the Charts should be quoted as heretofore by the number in the *right-hand lower corner* of every sheet.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 275.

[Third Publication.]

AFRICA, EAST COAST—POMBA (MWAWBI BAY).

Intended lights and buoys.

THE British Admiralty has given notice (No. 618 of 1900) that it is intented to exibit the undermentioned lights at Pomba bay:—

1. On north point a *fixed white* light, showing a *red* sector over the sand spit extending from South point. It will be elevated 45 feet above high water, and visible in clear weather from a distance of 9 miles. The lighthouse is an open lattice iron tower.
2. A *red* light will be shown from a jetty now under construction.

The sand spit off South point will be marked by a black buoy in 9 fathoms. (*Notice No. 618 of 1900.*)

Approximate position, lat. 12° 55′ 50″ S., long. 40° 31′ 20″ E.

This Notice affects the following Admiralty Chart:—Mozambique harbour to Ras Pekawi, No. 1809: Also, List of Lights, part VI, 1900, page 12, Africa Pilot, part III, page 308.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 276.

[Third Publication.]

AFRICA, EAST COAST—DELAGOA BAY.

Pilot hulk's position altered.

THE British Admiralty has given notice (No. 620 of 1900) that the Pilot hulk, formerly moored near Cockburn shoal buoy, has been moved, and is now situated with Inyack light-house bearing S. 2° W., distant $3\frac{3}{10}$ miles, and Gibbon point beacon S. 76° W. (*Notice No. 620 of 1900.*)

Approximate position, lat. 25° 55′ 15″ S., long 32° 58′ 10″ E.

CAUTION.—As this Pilot hulk appears to be liable to be shifted in position without notice, it is evident it cannot be relied on as a navigational mark.

(*Variation 23° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Delagoa bay to river Zambesi, No. 648; Tugela river to Delagoa bay, No. 2089; Delagoa bay, No. 644: Also, Africa Pilot, part III, 1897, pages 194, 195.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 277.

[Third Publication.]

AFRICA, EAST COAST—PORT MOMBASA.

Intended light on Ras Serani.

THE British Admiralty has given notice (No. 622 of 1900) that, about the end of September 1900, a light will be exhibited on Ras Serani, Port Mombasa.

Ras Serani light will be *fixed white*, shown from a steel mast, 60 feet high, situated at the back of the Inner Pillar; it will be visible from a distance of 12 miles between the bearings S. 60° W., through west, and N. 20° E. (*Notice No. 622 of 1900.*)

Approximate position, lat. 4° 4½′ S., long. 39° 41′ E.

This Notice affects the following Admiralty Chart:—Port Mombasa, &c., No. 666: Also, List of Lights, part VI, 1900, No. 62; African Pilot, part III, 1897, page 491.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 278.

[Third Publication.]

PACIFIC OCEAN—NEW HEBRIDES—EFATE ISLAND.

Fila harbour—Outer leading light altered in colour.

THE British Admiralty has given notice (No. 624 of 1900) that the Outer leading light at Fila harbour, Efate island, has been altered from fixed white to *fixed red.* (*Notice No. 624 of 1900.*)

Approximate position, lat. 17° 44′ 10″ S., long. 168° 18′ 50″ E.

This Notice affects the following Admiralty Chart:—Anchorages in the New Hebrides, No. 1637: Also, List of Lights, part VI, 1900, No. 155, and part VII, 1900, page 82; Pacific islands, vol. I, part II, 1893, page 201.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 279.

[Third Publication.]

AUSTRALIA, WEST—ROTTNEST ISLAND.

Bathurst point—Light exhibited.

WITH reference to Notice to Mariners No. 126, dated the 26th May 1900, issued by this office, the British Admiralty has given further notice (No. 628 of 1900) that, on 1st September 1900, the light would be exhibited.

Bathurst point light is *white fixed* dioptric of the 2nd order shown from a grey stone tower on Bathurst point, Rottnest island. The light is elevated 98 feet above high water, and visible in clear weather, from a distance of 15 miles, between the bearings S. 82° E., through south and west, to N. 59° W. (*Notice No. 628 of 1900.*)

Approximate position, lat. 31° 59′ 15″ S., long. 115° 33′ 15″ E.

(*Variation 3° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Rottnest island to Warnbro' sound, No. 1058: Also, List of Lights, part VI, 1900, page 170; Australia Directory, vol. III, 1895, page 356; and Supplement, 1898, relating to that work, page 8.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 280.

[Third Publication.]

CHINA SEA—TONG KING GULF—APPROACHES TO HAIFONG.

Kua nam Trieu—Lights established.

THE British Admiralty has given notice (No. 638 of 1900) that the undermentioned lights have been established at Kua nam Trieu:—

1. From a lighthouse on piles, on the bar, erected in a depth of 16 feet at low water, a *fixed white* dioptric light of the 4th order, elevated 37 feet above high water, and visible about 6 miles through an arc of 270° or between the bearings of S. 9° E., through west and north, and N. 81° E.
   The lighthouse, 65 feet high, is of metallic piles, with red lantern.

   Approximate position, lat. 20° 43′ 15″ N., long. 106° 54′ 35″ E.

   (*Variation 2° Easterly in 1900.*)

2. From two structures on the sand extending from Dinh Vu island, two *fixed* dioptric lights of the 4th order, leading over the bar.
   The front light is *red*, elevated 27 feet above high water, and visible about 6 miles through an arc of 180°, or between the bearings of N. 44° W. through west and south, and S. 44° E.
   The lighthouse, 53 feet high, is a black shed on metallic piles.

   Approximate position, lat. 20° 45′ 50″ N., long. 106° 50′ 15″ E.

   The rear light is *white*, elevated 46 feet above high water, and visible about 6 miles between the bearings of N. 46° W. and N. 71° W.
   The lighthouse, 63 feet high, is a column with black lantern erected on piles.

   Approximate position, lat. 20° 46′ 40″ N., long. 106° 48′ 55″ E.

3. Two *fixed white* dioptric lights of the 4th order, leading up the fairway after crossing the bar to the first curve in the Kua nam Trieu.
   The front light, elevated 27 feet above high water, is visible about 6 miles oevr an arc of 180°, or between the bearings of N. 62° W., through north and east, and S. 62° E.
   The lighthouse, 51 feet high, is a red shed on red piles.

   Approximate position, lat. 20° 50′ 0″ N., long. 106° 48′ 15″ E.

The rear light, situated about 1¾ miles N., 32° W. of the front light, elevated 53 feet above high water, is visible about 6 miles between the bearings of N. 19° W. and N. 44° W.

The lighthouse, 57 feet high, is of redpiles, and red latern. (*Notice No. 638 of 1900.*)

This Notice affects the following Admiralty Charts:—Tong King gulf, No. 2062; Kau Lacht to Kao Tao shan islands, No. 1965; Approaches to Haifong, No. 775: Also, China Sea Directory, vol. II, 1899, page 445; List of Lights, part VI, 1900, page 110.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 26th October 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 21, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 293.

[First Publication.]

AUSTRALIA—ALBERT BAR.

Position of Sunken wreck.

THE Port Master, Brisbane, has given notice (No. 19 of 1900) that the wreck of the ketch Burnett is reported to lie in three fathoms, bearing N.-W. by W. from flag buoy off the Albert Bar; the foremast being visible about 4 feet above low water. Masters of vessels navigating in that locality are therefore cautioned accordingly.

Charts affected, Nos. 1043 and 1703; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 15th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 294.

[First Publication.]

AUSTRALIA—TORRES STRAIT—INNER ROUTE.

Princess Charlotte bay—Three-fathom patch.

THE Port Master, Brisbane, has given notice (No. 20 of 1900) of the existence of a Coral Patch 300 to 400 yards in width, on which the least depth at L. W. S. is 18 feet, in the following position :—

Dhu Reef Beacon, N. 47° E. distant $5\frac{6}{10}$ miles.
Ead Reef Beacon, N. $15\frac{1}{2}$° W., distant $6\frac{2}{10}$ miles.
Summit E., Cliff Island, S. 66° W., distant $8\frac{8}{10}$ miles.
Latitude, 14° 10′ 36″ S.
Longitude, 143° 55′ 36″ E.
Charts affected, Nos. 2764 and 2922; and Australia Directory, vol. 2, 5th Edition.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 15th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 295.

[First Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head—Amended arc.

WITH reference to Notice to Mariners No. 285, dated the 3rd instant, issued by this office, the British Admiralty has given further notice (No. 686 of 1900) that one of the sectors of Gatcombe head new light, Port Curtis, has been altered, being now obscured when bearing southward of S. 45° W., but shows *white* from the bearing of S 45° W., through west, to N. 70° W.; the other sectors remain as before. (*Notice No. 686 of 1900*).

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Variation 8° Easterly in 1900.)

This Notice affects the following Admiralty Charts: Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also List of Lights, part VI., 1900, No. 1265; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 296.

[First Publication.]

PACIFIC OCEAN.

Bray rock.—Non-existence of.

WITH reference to notice to Mariners No. 165, dated 30th July 1898, issued by this office, the British Admiralty has given further notice (No. 698 of 1900) that further information has been received that the Commander of the S.S. *Warimoo* reports having searched on two occasions, in April and July 1900, for the danger (a ragged coral rock, about a quarter of a cable in extent, and 6 to 10 feet high) named Bray rock, which was reported to exist in 1898 by the Master of the Missionary vessel *Morning Star*, in lat. 7° 32′ N., long. 173° 13′ W.

Good observations were obtained and a careful look-out kept from both masthead and deck, when near and on the reported position, without anything resembling a rock or islet being seen. It is therefore considered probable that the Master of the *Morning Star* must have seen a floating object, and consequently Bray rock has been erased from the Charts. (*Notice No. 698 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific ocean, No. 2683; Atlantic and Indian oceans, No. 2483; Pacific, north-east sheet, No. 782; Also Sailing Directions for the Pacific Islands, vol. III, 1900, page 189.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 19th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 297.

[First Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

Emery point—Exhibition of temporary light.

WITH reference to Notice to Mariners No. 265, dated 17th December 1898, issued by this office, the British Admiralty has given further notice (No. 700 of 1900) that a temporary *white fixed* light, elevated 65 feet above high water, and visible from a distance of 6 miles from the bearing of N. 28° W., through north and east, to S. 28° E, is exhibited on Emery point, port Darwin. It is shown from a wooden structure, painted white, erected on the point

which is about 18½ cables N. 68° W. from Palmerston observation spot. (*Notice No. 700 of 1900.*)

Approximate position, lat, 12° 27½′ S., long. 130° 49′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Melville island, No. 613; port Darwin and adjacent inlets, No. 18; port Darwin, No. 925: Also, List of Lights, part VI., 1900, No. 1345; and Australia Directory, vol. III, 1895, pages 143, 146; and Supplement, 1898, relating to that work, page 3.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 298.

[First Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Shoals in southern and western passes—Leading marks.

THE British Admiralty has given notice (No. 702 of 1900) respecting the existence of certain rocks in the southern and western passes into Zanzibar harbour:—

a. A coral head, named Penfold rock, with a least depth over it of 14 feet, is situated with Sand head on Kisiki reef bearing N. 10° E., distant 7 cables. This shoal is marked by a black buoy.
Approximate position, lat. 6° 13′ S., long. 39° 10½′ E.

b. A coral head, with a least depth over it of 21 feet, is situated with the Sand head on Kisiki reef bearing N. 12° E., distant 8¾ cables.

c. A rock, with a depth of 26 feet over it (situated almost directly on the leading mark, with Sand head on Kisiki reef bearing N. 7° E., distant 8¾ cables.

The bottom is rocky and uneven in this vicinity, and it is possible that less water may exist, heavy draught vessels should therefore proceed with caution when near low-water springs.

Masingini house (the rear leading mark) is a ruin, and no longer visible from the southward. The summit on which it stood is, however, well marked by a double clump, the right hand and largest of which in line with the white stone pillar near Kiungani, N. 44° E., is the leading mark which should be carefully followed.

A coral head of 2½ fathoms has also been found in the centre of the passage between Fungu Chawamba and the Two-fathom bank to the northward of it in the western pass. (*Notice No. 702 of 1900.*)

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Zanzibar harbour, No. 665: Also, Africa Pilot, part III., 1897, pages 429, 432, 436.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 299.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO—NORTH-WEST COAST.

Palo river—Buoyage.

THE British Admiralty has given notice (No. 718 of 1900) that a black *nun* buoy, surmounted by a staff and ball, has been moored in a depth of 4 fathoms off the entrance to Palo river, with the extreme of the west point of the entrance (called Belimbin point) bearing S. 17°E., distant about 3¾ miles.

Approximate position, lat. 1° 50¾′ N., long. 109° 14¼′ E.

The channel (in which there is a depth of 10 feet at low water) into the river is marked on the eastern side by two *nun* buoys, painted white, and on the western side by one *can* buoy, painted black. (*Notice No. 718 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—South Natuna islands, No. 2104: Also, China Sea Directory, vol. II, 1899, pages 44, 137.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 300.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Karnafully river—Depth of water in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 10th November and reduced to zero:—

	Ft.	in.
Track No. I.—Outer bar.		
Disc on with mast with white and black casks	10	6
Drum on Patunga beacon and tree	12	0
Disc on diamond	10	0
Track No. II.—Inner bar.		
Disc on mast with white and black casks	11	0
Disc on diamond	12	0
Disc in the centre between diamond and mast with white and black casks	11	0
Track No. III.		
Tripod on cross and ball	22	0
Track No. IV.		
Triangle on mast with white and black casks	22	0
Track No. V.—Guptakhally crossing.		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 287.

[Second Publication.]

JAPAN SEA—(1) PORT VLADIVOSTOK.

Egerscheld point—Light exhibited.

THE British Admiralty has given notice (No. 664 of 1900) that a light is exhibited on Egerscheld point, Vladivostok.

Egerscheld point light is *fixed*, and shows *red* between the bearings of N. 76° E., through north and west, and S. 76° W., and *green* between S. 76° W., through south and east, and N. 76° E.

The light tower is 23 feet high. (*Notice No. 664 of 1900.*)

Approximate position, lat. 43° 5′ 50″ N., long. 131° 51′ 40″ E.

(*Variation 7° Westerly in 1900.*)

(2) EXPEDITION BAY.

Nazimov point—Light altered.

Also, that the light exhibited on Nazimov point, Expedition bay, has been altered.

Nazimov point light is *fixed*, and shows *white* between the bearings of N. 72° W., through south and east, and N. 42° W., and *red* between N. 42° W. and N. 72° W. (*Notice No. 664 of 1900.*)

Approximate position, lat. 42° 38′ 5″ N., long. 130° 48′ 45″ E.

(*Variation 6° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Trinity bay to the Eastern Bosporus, No. 511; Eastern Bosporus strait, No. 1011; Tumen Ula to Strelok bay, No. 2432: Also, List of Lights, part VI, 1900, page 164, and No. 994; China Sea Directory, vol. IV, 1894, pages 156, 149.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 288.

[Second Publication.]

JAPAN—NIPON, SOUTH COAST.

(*1*) *Ura Kami harbour—Rock in the entrance.*

THE British Admiralty has given notice (No. 667 of 1900) of the existence of the undermentioned rocks:—

In the entrance to Ura Kami harbour there is a pinnacle rock with a depth of 3¼ fathoms over it and upwards of 10 fathoms around, situated with Kantori saki (Arundell point) bearing N.E. ¼ N. and Tateishi (Hive rock) summit N.W. by W. ½ W., distant 5 1/10 cables.

Approximate position, lat. 33° 33′ 40″ N., long. 135° 56′ 50″ E.

(*Variation 4° Westerly in 1900.*)

(*2*) *Oö sima harbour—Rocks in the entrance.*

In Oö sima harbour there is a rock with a least depth of 3½ fathoms over it, situated with the summit of a rock near Tojima (Omi) saki bearing E. by N. ¼ N., Itsino shima (15 feet) N. W. ⅞ N., distant 2½ cables, and there are depths of 3¾ fathoms and 4¾ fathoms, rocky bottoms, within one cable S.S.W. and S.E. from it.

Another rock, with a depth of 4¾ fathoms over it, is situated with the summit of a rock near Omi saki bearing E. ⅛ N. and Itsino shima N.N.W. ½ W., distant one cable.

There are depths of over 5 fathoms between these two rocks. (*Notice No. 667 of 1900.*)

Approximate position of 3½ fathoms, lat. 33° 28′ 45″ N., long. 135° 48′ 30″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Kü channel and Owasi bay, No. 951; Oö sima and Ura Kami harbours, No. 356: Also, China Sea Directory, vol. IV, 1894, pages 264, 265.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 289.

[Second Publication.]

KOREA—YUSAN HARBOUR.

Rocks and shoals found.

THE British Admiralty has given notice (No. 668 of 1900) of the existence of the undermentioned rocks and shoals in Fusan harbour:—

1. A rock with a depth of 2½ fathoms over it, situated with the southernmost Kokugan (Black) rocks bearing S. 52° E., distant 8¾ cables, and Kaiundai (Magnetic head 565 feet) N. 76° W.

2. A rock with a depth of 5 fathoms over it, situated with Magnetic head (565 feet) bearing N. 63° E., and Tsuzumi iwa (a 3-feet rock lying 6½ cables eastward of Uno se) N. 40° W., distant 8¼ cables.
3. A rock with a depth of 3 fathoms over it situated with Tsuzumi iwa bearing N. 43° E., distant about two-thirds of a cable, and Uno se N. 69° W. This rock and Tsuzumi iwa are connected by a reef.
4. A shoal with a depth of 3 fathoms, mud, lies with Zetsuyei to (1,300 feet hill on Deer island) bearing S. 26° E., distant 14 cables, and Tondari East.
   There are two depths of 3 fathoms respectively S. 19° W., and S. 68° E., distant four-fifths of a cable from this shoal.
5. The depth of 3¾ fathoms charted, with Tondari bearing S. 42° E., distant 3$\frac{1}{10}$ cables, has increased to 6 fathoms. (*Notice No. 668 of 1900.*)

Approximate position, lat. 35° 6′ N., long. 129° 3′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Fusan harbour, No. 1259: Also, China Sea Directory, vol. IV, 1894, page 128; Supplement, 1898, pages 6 and 7.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 290.

[Second Publication.]

KOREA, WEST COAST—PING YANG INLET.

Chel tau anchorage—Rock found.

THE British Admiralty has given notice (No. 669 of 1900) of the existence of a rock, which dries about 4 feet at low water, in Chel tau anchorage.

From the rock Tetto hill (155 feet) bears E.N.E., distant 2½ cables, and the hill (170 feet) on Yo ko ken N.W. (*Notice No. 669 of 1900.*)

Approximate position, lat. 38° 38′ 15″ N., long. 125° 36′ 35″ E.

(*Variation 5° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Ping Yang inlet, No. 1656: Also, China Sea Directory, vol IV, 1894, page 42.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 291.

[Second Publication.]

JAPAN—INLAND SEA—SUWO NADA.

Ajisu approach—Reef discovered.

THE British Admiralty has given notice (No. 671 of 1900) of the existence of a reef named Okino se on the north side of Suwo nada.

Okino se reef consists of several rocks, having a least depth over them of about one fathom at low water.

From it, the middle of Hirame se bears N. 13° W., distant 4¾ cables, and Maruyama Zaki summit N. 81° E. (*Notice No. 671 of 1900.*)

Approximate position, lat. 33° 58′ 30″ N., long. 131° 24′ 15″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto Uchi or Inland sea, No. 2875: Also, China Sea Directory, vol. IV, 1894, page 426; and Supplement, 1898, page 24.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 292.

[Second Publication.]

AUSTRALIA—TOWNSVILLE, CLEVELAND BAY.

Tide signals.

THE Port Master, Brisbane, has given notice (No. 18 of 1900) that on and after the 1st November Tidal Signals, as herein indicated, will be shown from the Pilot Station, Townsville.

The signals represent the actual tidal rise above low water datum, and should be added to the depth in the cuttings to give the available navigable depth of water. The depths at L.W.O.S. are at present 15 feet in Platypus Channel and 18 inches over the rocky bar into Ross Creek:—

Ft.	In.	By day.	By night.
0	6	Cylinder	White light.
1	0	Two cylinders horizontal ...	Two white lights horizontal.
1	6	Two cylinders vertical ...	Two white lights vertical.
2	0	Cone	Green light.
2	6	Two cones horizontal	Two green lights horizontal
3	0	Two cones vertical	Two green lights vertical..
3	6	Ball	Red light.
4	0	Two balls horizontal	Two red lights horizontal.
4	6	Two balls vertical ...	Two red lights vertical.
5	0	Cone and cylinder horizontal ...	Green and white lights horizontal.
5	6	Cylinder above cone	White above green light.
6	0	Cone above cylinder	Green above white light.
6	6	Ball and cylinder horizontal ...	Red and white lights horizontal.
7	0	Cylinder above ball	White above red light.
7	6	Ball above cylinder	Red above white light.
8	0	Ball and cone horizontal ...	Red and green lights horizontal.
8	6	Cone above ball	Green above red light.
9	0	Ball above cone	Red above green light.
9	6	Cylinder, and cylinder above cone ...	White, and white above green light.
10	0	Cone, and cylinder above cylinder ...	Green, and white above white light.
10	6	Cone, and cone above cylinder ...	Green, and green above white light.
11	0	Cylinder, and cone above cone ...	White, and green above green light.
11	6	Ball, and ball above cylinder ...	Red, and red above white light.
12	0	Cylinder, and ball above ball ...	White, and red above red light.

Chart affected, No. 1102; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 281.

[Third Publication.]

PACIFIC OCEAN.

Sailing directions for the Pacific islands.

THE following Notice to Mariners (No. 647 of 1900) issued by the British Admiralty is republished:—

Volumes 1 and 3 of the Revised Sailing Directions for the Pacific Islands (to be issued in three volumes instead of two volumes as at present) being now ready, are issued at once, without waiting for Volume 2, which will not be ready before the end of 1900.

The new Volume 1 (1900) cancels the whole of the old Volume 1 (1890), excepting chapter v, from pages 286 to 356. It also cancels pages 191 to 204 of China Sea Directory, Volume 4 (1894), and Supplement, 1894, relating to Pacific islands, vol. 1, part 1.

The old Volume 1 (1890) and Volume 1, part 2 (1893), will therefore have to be retained for reference until Volume 2 is published, as also Hydrographic Notices, Nos. 1 of 1894; 1 of 1895; 7 of 1895; and 7 of 1897.

The new Volume 3 cancels that part of Volume 2 from page 273 to the end.

When the new 2nd volume is published, all the old directions, including Volume 1, part 2, and the Hydrographic Notices named above, will be cancelled. (*Notice No. 647 of 1900.*)

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 282.

[Third Publication.]

PACIFIC OCEAN—PACIFIC ISLAND, MEIACO SIMA.

Non-existence of Ykima island.

THE following Notice to Mariners (No. 649 of 1900) issued by the British Admiralty is republished:—

Information has been published by the United States Government, dated 4th August 1900, that Commander Seaton Schroeder, of the U.S.S. *Yosemite*, reports having sounded in 290 fathoms without obtaining bottom in lat. 24° 25′ N., long. 125° 29′ E., or on the position where an island named Ykima is shown on the Charts to the southward of the Meiaco Sima group.

The day was clear with a perfect condition of visibility, but no island could be seen.

Ykima island appears to have been placed originally on a Chart of the China Sea, published by the East India Company's Hydrographer (Horsburgh) in 1835. No mention was made of its existence in any of the earlier editions of Horsburgh directory, nor is any account of it given in any edition of that directory.

In 1843 Sir E. Belcher, in H.M.S. *Samarang*, looked for this island, but failed to find it.

In 1856 the U.S. expedition under Commodore Perry also looked for Ykima without effect.

In 1870 Captain G. H. Schoof, of the German barque *Uranus*, passed over its position without seeing any such island.

No such island is shown on the plan of Meiaco Sima islands by Captain Broughton of H.M.S. *Providence*, 1795.

As no authority can be found for placing Ykima island on the Chart in the position given above, and as no report of its existence can be traced, it is considered probable that this island must be identical with Ikema island shown on the Chart in lat. 24° 56′ N., long. 125° 16½′ E., at the north end of Taipinsan island.

Ykima island, in lat. 24° 25′ N., long. 125° 29′ E., has been consequently erased from the Admiralty Charts. (*Notice No. 649 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific, No. 781; China sea, No. 1263; Hong Kong to Liau-tung gulf, No. 1262; Amoy to Nagasaki, No. 2412; Meiaco Sima group, No. 2105: Also, China Sea Directory, vol. IV, page 214.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 283.

[Third Publication.]

INDIA, SOUTH—CEYLON, SOUTH-WEST COAST.

Colombo—Light-boat changed in position.

WITH reference to Notice to Mariners No. 240, dated the 9th December 1899, issued by this office, the British Admiralty has given further notice (No. 654 of 1900) that, on 15th October, the light-boat, showing a *red occulting* light *every fifteen seconds*, and marking the south-west end of the rubble mound of the north-west breakwater would be moved 200 feet south-westward.

From the new position of the light-boat the lighthouse of the south-west breakwater will bear S. W. by S., distant 485 yards. (*Notice No. 654 of 1900.*)

Approximate position, lat. 6° 58′ N., long. 79° 51′ E.

This Notice affects the following Admiralty Charts:—Ceylon, south coast, No. 813; Colombo harbour, No. 914: Also, List of Lights, part VI, 1900, No. 291a; Bay of Bengal Pilot, 1892, page 45; West coast of Hindustan Pilot, 1898, pages 94, 95.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 284.

[Third Publication.]

AFRICA, SOUTH-EAST COAST—PORT NATAL.

Intended discontinuance of Rocket-house beacon and light.

THE British Admiralty has given notice (No. 658 of 1900) that, on and from 1st January 1901, Rocket-house beacon and the three *white* lights exhibited therefrom will b discontinued.

The Town hall tower (situated in West street), by day, and the electric lights in the same street, by night, will give approximately the same anchorage bearing as the Rocket-house beacon and lights. (*Notice No. 658 of 1900.*)

Approximate position, lat. 29° 51′ 40″ S., long. 31° 2′ 10″ E.

This Notice affects the following Admiralty Chart:—Port Natal, No. 643: Also, List of Lights, part VI, 1900, No. 32; Africa Pilot, part III, 1897, page 173.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 285.

[Third Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head—New light exhibited.

WITH reference to Notice to Mariners No. 258, dated the 12th ultimo, issued by this office, the British Admiralty has given further notice (No. 659 of 1900) that Gatcombe head new light, Port Curtis, is now exhibited.

Gatcombe head. A new *fixed* light, elevated 122 feet above high water, and visible in clear weather from a distance of 13 miles, is now exhibited showing the following sectors:—*white* from the bearings of S. 29° W., through west, to N. 70° W.; obscured from N. 70° W. to N. 45° W.; *white* from N. 45° W., through north, to N. 21° E.; *red* from N. 21° E. to N. 43° E.; *white* from N. 43° E. to the land.

It is shown from a cylindrical tower, 38 feet high, painted white with red dome, erected 150 yards N. 11° E. from the former light.

The former light is extinguished.

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Leading lights are also exhibited from Gatcombe head and from near the entrance to the river Boyne, but their exact positions are not given. (*Notice No. 659 of 1900.*)

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sandy cape to Keppel islands No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 286.

[Third Publication.]

AUSTRALIA, NORTH COAST—HOWARD CHANNEL—CLARENCE STRAIT.

An iron tripod beacon erected to mark the "Henry Ellis" reef.

THE President, Marine Board, port Adelaide, has given notice (No. 7 of 1900) that an iron tripod beacon has been erected to mark the Henry Ellis Reef.

The beacon, which is placed on the north-western extremity of the reef, is 18 feet 6 inches above high water, and is surmounted by a diamond-shaped head.

This affects Admiralty Charts Nos. 613, 925, and 1044.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 3rd November 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 28, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 301.

[First Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka Point Light.

WITH reference to Notice to Mariners No. 268, dated the 20th October last, issued by this office, the Bombay Government has given further notice (No. 98 of 1900) that a buggalow showing a white light, visible for a distance of six miles and a blue light every half hour, has been moored in 16 fathoms water four miles due west of Dwarka Point Light-house, and will remain in that position during the repairs now being carried out to the light-house.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 302.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

Elephant leading lights—Alteration in position.

WITH reference to Notice to Mariners No. 142, dated 9th June last, issued by this office, the following Notice to Mariners (No. 99 of 1900) issued by the Bombay Government is republished.

Information has been received from the Port Officer, Rangoon, dated 30th October 1900, that the Elephant Point leading lights will be shifted on 1st November 1900: the back light 60 feet further in and the front light 50 feet.

The line of transit will be the same.

2. Seventeen feet of water reduced has been found 220 yards outside line of lower and centre middle bank buoys opposite creek below Tanku, where old telegraph station stood.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches, No. 833; also Bay of Bengal Pilot, 2nd Edition, 1892, page 325, and Admiralty List of Lights, Part VI, 1900, Nos. 367 and 368.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 303.

[First Publication.]

INDIA WEST—BOMBAY COAST.

Buoys between Alibagh and Vingorla replaced.

THE Bombay Government has given notice (No. 100 of 1900) that the undermentioned buoys that were removed for the south-west monsoon were replaced on the dates marked against each of them.

Alibágh buoy on	...	30th September 1900
Bánkot buoys	...	12th October ,,
Anjanvel buoy	...	15th ,, ,,
Ambulgad Reef buoy (Jaitápur) ...	...	29th September ,,
Jhonstone Castle buoy	...	25th ,, ,,
Málvan Outer Rock	...	27th ,, ,,
Málvan Harbour buoys	...	28th ,, ,,
Chaldea Rock buoy	...	5th October ,,

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 24th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 293.

[Second Publication.]

AUSTRALIA—ALBERT BAR.

Position of Sunken wreck.

THE Port Master, Brisbane, has given notice (No. 19 of 1900) that the wreck of the ketch Burnett is reported to lie in three fathoms, bearing N.-W. by W. from flag buoy off the Albert Bar; the foremast being visible about 4 feet above low water. Masters of vessels navigating in that locality are therefore cautioned accordingly.

Charts affected, Nos. 1043 and 1703; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 294.

[Second Publication.]

AUSTRALIA—TORRES STRAIT—INNER ROUTE.

Princess Charlotte bay—Three-fathom patch.

THE Port Master, Brisbane, has given notice (No. 20 of 1900) of the existence of a Coral Patch 300 to 400 yards in width, on which the least depth at L. W. S. is 18 feet, in the following position :—

Dhu Reef Beacon, N. 47° E. distant $5\frac{6}{10}$ miles.
Ead Reef Beacon, N. $15\frac{1}{2}$° W., distant $6\frac{8}{10}$ miles.
Summit E., Cliff Island, S. 66°W., distant $8\frac{8}{10}$ miles.
Latitude, 14° 10′ 36″ S.
Longitude, 143° 55′ 36″ E.
Charts affected, Nos. 2764 and 2922; and Australia Directory, vol. 2, 5th Edition.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 295.

[Second Publication.]

AUSTRALIA—QUEENSLAND—PORT CURTIS.

Gatcombe head—Amended arc.

WITH reference to Notice to Mariners No. 285, dated the 3rd instant, issued by this office, the British Admiralty has given further notice (No. 686 of 1900) that one of the sectors of Gatcombe head new light, Port Curtis, has been altered, being now obscured when bearing southward of S. 45° W., but shows *white* from the bearing of S. 45° W., through west, to N. 70° W.; the other sectors remain as before. (*Notice No. 686 of 1900*).

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Variation 8° Easterly in 1900.)

This Notice affects the following Admiralty Charts: Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also List of Lights, part VI., 1900, No. 1265; and Australia Directory, vol. II., 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 15th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 296.

[Second Publication.]

PACIFIC OCEAN.

Bray rock.—Non-existence of.

WITH reference to notice to Mariners No. 165, dated 30th July 1898, issued by this office, the British Admiralty has given further notice (No. 698 of 1900) that further information has been received that the Commander of the S.S. *Warimoo* reports having searched on two occasions, in April and July 1900, for the danger (a ragged coral rock, about a quarter of a cable in extent, and 6 to 10 feet high) named Bray rock, which was reported to exist in 1898 by the Master of the Missionary vessel *Morning Star*, in lat. 7° 32′ N., long. 173° 13′ W.

Good observations were obtained and a careful look-out kept from both masthead and deck, when near and on the reported position, without anything resembling a rock or islet being seen. It is therefore considered probable that the Master of the *Morning Star* must have seen a floating object, and consequently Bray rock has been erased from the Charts. (*Notice No. 698 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific ocean, No. 2683; Atlantic and Indian oceans, No. 2483; Pacific, north-east sheet, No. 782; Also Sailing Directions for the Pacific Islands, vol. III, 1900, page 189.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 297.

[Second Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

Emery point—Exhibition of temporary light.

WITH reference to Notice to Mariners No. 265, dated 17th December 1898, issued by this office, the British Admiralty has given further notice (No. 700 of 1900) that a temporary *white fixed* light, elevated 65 feet above high water, and visible from a distance of 6 miles from the bearing of N. 28° W., through north and east, to S. 28° E., is exhibited on Emery point, port Darwin. It is shown from a wooden structure, painted white, erected on the point

which is about 18½ cables N. 68° W. from Palmerston observation spot. (*Notice No. 700 of 1900.*)

Approximate position, lat, 12° 27½′ S., long. 130° 49′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Melville island, No. 613; port Darwin and adjacent inlets, No. 18; port Darwin, No. 925: Also, List of Lights, part VI., 1900, No. 1345; and Australia Directory, vol. III, 1895, pages 143, 146; and Supplement, 1898, relating to that work, page 3.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 298.

[Second Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Shoals in southern and western passes—Leading marks.

THE British Admiralty has given notice (No. 702 of 1900) respecting the existence of certain rocks in the southern and western passes into Zanzibar harbour:—

a. A coral head, named Penfold rock, with a least depth over it of 14 feet, is situated with Sand head on Kisiki reef bearing N. 10° E., distant 7 cables. This shoal is marked by a black buoy.
Approximate position, lat. 6° 13′ S., long. 39° 10½′ E.

b. A coral head, with a least depth over it of 21 feet, is situated with the Sand head on Kisiki reef bearing N. 12° E., distant 8¾ cables.

c. A rock, with a depth of 26 feet over it (situated almost directly on the leading mark, with Sand head on Kisiki reef bearing N. 7° E., distant 8¾ cables.

The bottom is rocky and uneven in this vicinity, and it is possible that less water may exist, heavy draught vessels should therefore proceed with caution when near low-water springs.

Masingini house (the rear leading mark) is a ruin, and no longer visible from the southward. The summit on which it stood is, however, well marked by a double clump, the right hand and largest of which in line with the white stone pillar near Kiungani, N. 44° E., is the leading mark which should be carefully followed.

A coral head of 2½ fathoms has also been found in the centre of the passage between Fungu Chawamba and the Two-fathom bank to the northward of it in the western pass. (*Notice No. 702 of 1900.*)

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Zanzibar harbour, No. 665: Also, Africa Pilot, part III., 1897, pages 429, 432, 436.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 299.

[Second Publication.]

EASTERN ARCHIPELAGO—BORNEO—NORTH-WEST COAST.

Palo river—Buoyage.

THE British Admiralty has given notice (No. 718 of 1900) that a black *nun* buoy, surmounted by a staff and ball, has been moored in a depth of 4 fathoms off the entrance to Palo river, with the extreme of the west point of the entrance (called Belimbin point) bearing S. 17° E., distant about 3¾ miles.

Approximate position, lat. 1° 50¾′ N., long. 109° 14¼′ E.

The channel (in which there is a depth of 10 feet at low water) into the river is marked on the eastern side by two *nun* buoys, painted white, and on the western side by one *can* buoy painted black. (*Notice No. 718 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—South Natuna islands, No. 2104: Also, China Sea Directory, vol. II, 1899, pages 44, 137.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 19th November 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 300.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 10th November and reduced to zero:—

	Ft.	in.
Track No. I.—Outer bar.		
Disc on with mast with white and black casks	10	6
Drum on Patunga beacon and tree	12	0
Disc on diamond	10	0
Track No. II.—Inner bar.		
Disc on mast with white and black casks	11	0
Disc on diamond	12	0
Disc in the centre between diamond and mast with white and black casks	11	0
Track No. III.		
Tripod on cross and ball	22	0
Track No. IV.		
Triangle on mast with white and black casks	22	0
Track No. V.—Guptakhally crossing.		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

CALCUTTA, *the 19th November 1900.*

C. B. BAYLEY,
Asst. Secy., Marine Department.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 287.

[Third Publication.]

JAPAN SEA—(1) PORT VLADIVOSTOK.

Egerscheld point—Light exhibited.

THE British Admiralty has given notice (No. 664 of 1900) that a light is exhibited on Egerscheld point, Vladivostok.

Egerscheld point light is *fixed*, and shows *red* between the bearings of N. 76° E., through north and west, and S. 76° W., and *green* between S. 76° W., through south and east, and N. 76° E.

The light tower is 23 feet high. (*Notice No. 664 of 1900.*)

Approximate position, lat. 43° 5′ 50″ N., long. 131° 51′ 40″ E.

(*Variation 7° Westerly in 1900.*)

(2) EXPEDITION BAY.

Nazimov point—Light altered.

Also, that the light exhibited on Nazimov point, Expedition bay, has been altered.

Nazimov point light is *fixed*, and shows *white* between the bearings of N. 72° W., through south and east, and N. 42° W., and *red* between N. 42° W. and N. 72° W. (*Notice No. 664 of 1900.*)

Approximate position, lat. 42° 38′ 5″ N., long. 130° 48′ 45″ E.

(*Variation 6° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Trinity bay to the Eastern Bosporus, No. 511; Eastern Bosporus strait, No. 1011; Tumen Ula to Strelok bay, No. 2432: Also, List of Lights, part VI, 1900, page 164, and No. 994; China Sea Directory, vol. IV, 1894, pages 156, 149.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C B. BAYLEY,
CALCUTTA, *the 9th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 288.

[Third Publication.]

JAPAN—NIPON, SOUTH COAST.

(1) *Ura Kami harbour—Rock in the entrance.*

THE British Admiralty has given notice (No. 667 of 1900) of the existence of the undermentioned rocks:—

In the entrance to Ura Kami harbour there is a pinnacle rock with a depth of 3¼ fathoms over it and upwards of 10 fathoms around, situated with Kantori saki (Arundell point) bearing N.E. ¼ N. and Tateishi (Hive rock) summit N.W. by W. ½ W., distant 5 1/10 cables.

Approximate position, lat. 33° 33′ 40″ N., long. 135° 56′ 50″ E.

(*Variation 4° Westerly in 1900.*)

(2) *Oö sima harbour—Rocks in the entrance.*

In Oö sima harbour there is a rock with a least depth of 3½ fathoms over it, situated with the summit of a rock near Tojima (Omi) saki bearing E. by N. ¼ N., Itsino shima (15 feet) N. W. ⅞ N., distant 2½ cables, and there are depths of 3¾ fathoms and 4¾ fathoms, rocky bottoms, within one cable S.S.W. and S.E. from it.

Another rock, with a depth of 4¾ fathoms over it, is situated with the summit of a rock near Omi saki bearing E. ⅛ N. and Itsino shima N.N.W. ½ W., distant one cable.

There are depths of over 5 fathoms between these two rocks. (*Notice No. 667 of 1900.*)

Approximate position of 3½ fathoms, lat. 33° 28′ 45″ N., long. 135° 48′ 30″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Ku channel and Owasi bay, No. 951; Oö sima and Ura Kami harbours, No. 350: Also, China Sea Directory, vol. IV, 1894, pages 264, 265.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 9th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 289.

[Third Publication.]

KOREA—YUSAN HARBOUR.

Rocks and shoals found.

THE British Admiralty has given notice (No. 668 of 1900) of the existence of the undermentioned rocks and shoals in Fusan harbour:—

1. A rock with a depth of 2½ fathoms over it, situated with the southernmost Kokugan (Black) rocks bearing S. 52° E., distant 8¾ cables, and Kaiundai (Magnetic head 565 feet) N. 76° W.

2. A rock with a depth of 5 fathoms over it, situated with Magnetic head (565 feet) bearing N. 63° E., and Tsuzumi iwa (a 3-feet rock lying 6½ cables eastward of Uno se) N. 40° W., distant 8¼ cables.
3. A rock with a depth of 3 fathoms over it situated with Tsuzumi iwa bearing N. 43° E., distant about two-thirds of a cable, and Uno se N. 69° W. This rock and Tsuzumi iwa are connected by a reef.
4. A shoal with a depth of 3 fathoms, mud, lies with Zetsuyei to (1,300 feet hill on Deer island) bearing S. 26° E., distant 14 cables, and Tondari East. There are two depths of 3 fathoms respectively S. 19° W., and S. 68° E., distant four-fifths of a cable from this shoal.
5. The depth of 3¾ fathoms charted, with Tondari bearing S. 42° E., distant 3$\frac{1}{10}$ cables, has increased to 6 fathoms. (*Notice No. 668 of 1900.*)

Approximate position, lat. 35° 6′ N., long. 129° 3′ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Fusan harbour, No. 1259: Also, China Sea Directory, vol. IV, 1894, page 128; Supplement, 1898, pages 6 and 7.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 9th November 1900.* *Asst. Secy., Marine Department*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 290.

[Third Publication.]

KOREA, WEST COAST—PING YANG INLET.

Chel tau anchorage—Rock found.

THE British Admiralty has given notice (No. 669 of 1900) of the existence of a rock, which dries about 4 feet at low water, in Chel tau anchorage.

From the rock Tetto hill (155 feet) bears E N.E., distant 2½ cables, and the hill (170 feet) on Yo ko ken N.W. (*Notice No. 669 of 1900.*)

Approximate position, lat. 38° 38′ 15″ N., long. 125° 36′ 35″ E.

(*Variation 5° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Ping Yang inlet, No. 1656: Also, China Sea Directory, vol IV, 1894, page 42.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 9th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 291.

[Third Publication.]

JAPAN—INLAND SEA—SUWO NADA.

Ajisu approach—Reef discovered.

THE British Admiralty has given notice (No. 671 of 1900) of the existence of a reef named Okino se on the north side of Suwo nada.

Okino se reef consists of several rocks, having a least depth over them of about one fathom at low water.

From it, the middle of Hirame se bears N. 13° W., distant 4¾ cables, and Maruyama Zaki summit N. 81° E. (*Notice No. 671 of 1900.*)

Approximate position, lat. 33° 58′ 30″ N., long. 131° 24′ 15″ E.

(*Variation 4° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Seto Uchi or Inland sea, No. 2875: Also, China Sea Directory, vol. IV, 1894, page 426; and Supplement, 1898, page 24.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 9th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 292.

[Third Publication.]

AUSTRALIA—TOWNSVILLE, CLEVELAND BAY.

Tide signals.

THE Port Master, Brisbane, has given notice (No. 18 of 1900) that on and after the 1st November Tidal Signals, as herein indicated, will be shown, from the Pilot Station, Townsville.

The signals represent the actual tidal rise above low water datum, and should be added to the depth in the cuttings to give the available navigable depth of water. The depths at L.W.O.S. are at present 15 feet in Platypus Channel and 18 inches over the rocky bar into Ross Creek:—

Ft.	In.	By day.	By night.
0	6	Cylinder	White light.
1	0	Two cylinders horizontal ...	Two white lights horizontal.
1	6	Two cylinders vertical ...	Two white lights vertical.
2	0	Cone	Green light.
2	6	Two cones horizontal	Two green lights horizontal
3	0	Two cones vertical	Two green lights vertical..
3	6	Ball	Red light.
4	0	Two balls horizontal	Two red lights horizontal.
4	6	Two balls vertical	Two red lights vertical.
5	0	Cone and cylinder horizontal ...	Green and white lights horizontal.
5	6	Cylinder above cone	White above green light.
6	0	Cone above cylinder	Green above white light.
6	6	Ball and cylinder horizontal ...	Red and white lights horizontal.
7	0	Cylinder above ball	White above red light.
7	6	Ball above cylinder	Red above white light.
8	0	Ball and cone horizontal ...	Red and green lights horizontal.
8	6	Cone above ball	Green above red light.
9	0	Ball above cone	Red above green light.
9	6	Cylinder, and cylinder above cone ...	White, and white above green light.
10	0	Cone, and cylinder above cylinder ...	Green, and white above white light.
10	6	Cone, and cone above cylinder ...	Green, and green above white light.
11	0	Cylinder, and cone above cone ...	White, and green above green light.
11	6	Ball, and ball above cylinder ...	Red, and red above white light.
12	0	Cylinder, and ball above ball ...	White, and red above red light.

Chart affected, No. 1102; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 9th November 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, DECEMBER 5, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No 304.

[First Publication.]

AUSTRALIA, SOUTH—St. Vincent gulf.

Port Adelaide—Erection of a new lighthouse on Wonga shoal.

With reference to Notice to Mariners, No. 144, dated the 15th June last, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 8 of 1900) that the erection of the new lighthouse on Wonga Shoal, Port Adelaide, will be commenced at an early date, and that during the continuance of the work a temporary riding light will be exhibited between sunset and sunrise from the works in progress on that shoal. It is expected that the new lighthouse will be completed about May 1901.

For a period of about one month before the new light is exhibited from Wonga Shoal the existing Port Adelaide illuminating apparatus will be removed from its present position at the entrance to the river. During its transfer to the Wonga Shoal Tower, a light of the third order, revolving every thirty seconds (as at present) visible for about fifteen (15) miles, will be exhibited from a temporary tower erected on the position now occupied by the Port Adelaide Lighthouse.

Further Notices as to the precise dates of exhibition of the Riding Light at Wonga Shoal, the removal of the existing Port Adelaide Light, the exhibition of the temporary light in lieu thereof, and the first exhibition of the permanent light on Wonga Shoal will be given in due course.

Note.—This affects Admiralty Plans Nos. 1750 and 1752.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 27th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 305.

[First Publication.]

BAY OF BENGAL—Burma coast.

The Spit light vessel.

The Deputy Conservator of the Port of Rangoon has given notice that the Spit light vessel will be shifted on or about the 20th instant. She will be moved N. 19° E. 4 cables; the bearing being on the same line with the Eastern Grove lighthouse as at present, the two lights in one can be utilized as hitherto.

E. J. Beaumont, Comdr., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 27th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 306.

[First Publication.]

BAY OF BENGAL—BURMA COAST.

The Spit light-vessel.

WITH reference to Notice to Mariners No. 305, dated the 27th November, issued by this office, the Deputy Conservator of the port of Rangoon has given further notice (No. 283, dated 21st idem) that the Spit light-vessel has been shifted N. 20° E. (true) 4 cables.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 307.

[First Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Karnafully river—Depth of water in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 24th November and reduced to zero:—

	Ft.	in.
Track No. I—Outer bar—		
Drum on Patunga beacon and tree	9	6
Disc on diamond	11	0
Disc in the centre between hill and mast with white and black casks	10	9
Track No. II—Inner bar—		
Disc on diamond	11	0
Track No. III—		
Tripod on cross and ball	22	0
Track No. IV—		
Triangle on mast with white and black casks	22	0
Track No. V—Guptakhaly crossing—		
Tripod on diamond	18	0

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 3rd December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 301.

[Second Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka Poin Light.

WITH reference to Notice to Mariners No. 268, dated the 20th October last, issued by this office, the Bombay Government has given further notice (No. 98 of 1900) that a buggalow showing a white light, visible for a distance of six miles and a blue light every half hour, has been moored in 16 fathoms water four miles due west of Dwarka Point Light-house, and will remain in that position during the repairs now being carried out to the light-house.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No 302.

[Second Publication.]

BAY OF BENGAL—BURMA COAST

Elephant leading lights—Alteration in position.

WITH reference to Notice to Mariners No. 142, dated 9th June last, issued by this office, the following Notice to Mariners (No. 99 of 1900) issued by the Bombay Government is republished.

Information has been received from the Port Officer, Rangoon, dated 30th October 1900, that the Elephant Point leading lights will be shifted on 1st November 1900: the back light 60 feet further in and the front light 50 feet.

The line of transit will be the same.

2. Seventeen feet of water reduced has been found 220 yards outside line of lower and centre middle bank buoys opposite creek below Tanku, where old telegraph station stood.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches, No. 833; also Bay of Bengal Pilot, 2nd Edition, 1892, page 325, and Admiralty List of Lights, Part VI, 1900, Nos. 367 and 368.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 24th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 303.

[Second Publication.]

INDIA WEST—BOMBAY COAST.

Buoys between Alibagh and Vingorla replaced.

THE Bombay Government has given notice (No. 100 of 1900) that the undermentioned buoys that were removed for the south-west monsoon were replaced on the dates marked against each of them.

Alibágh buoy on	...	30th September 1900
Bánkot buoys	...	12th October ,,
Anjanvel buoy	...	15th ,, ,,
Ambulgad Reef buoy (Jaitápur) ...	...	29th September ,,
Jhonstone Castle buoy	...	25th ,, ,,
Málvan Outer Rock	...	27th ,, ,,
Málvan Harbour buoys	...	28th ,, ,,
Chaldea Rock buoy	...	5th October ,,

E. J. BEAUMONT, COMDR., R.I.M.,
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C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 24th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 293.

[Third Publication.]

AUSTRALIA—ALBERT BAR.

Position of Sunken wreck.

THE Port Master, Brisbane, has given notice (No. 19 of 1900) that the wreck of the ketch Burnett is reported to lie in three fathoms, bearing N.-W. by W. from flag buoy off the Albert Bar; the foremast being visible about 4 feet above low water. Masters of vessels navigating in that locality are therefore cautioned accordingly.

Charts affected, Nos. 1043 and 1703; and Australia Directory, vol. 2.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 294.

[Third Publication.]

AUSTRALIA—Torres strait—Inner route.

Princess Charlotte bay—Three-fathom patch.

The Port Master, Brisbane, has given notice (No. 20 of 1900) of the existence of a Coral Patch 300 to 400 yards in width, on which the least depth at L. W. S. is 18 feet, in the following position :—

Dhu Reef Beacon, N. 47° E. distant $5\frac{5}{10}$ miles.
Ead Reef Beacon, N. $15\frac{1}{2}$° W., distant $6\frac{3}{10}$ miles.
Summit E., Cliff Island, S. 66° W., distant $8\frac{8}{10}$ miles.
Latitude, 14° 10′ 36″ S.
Longitude, 143° 55′ 36″ E.
Charts affected, Nos. 2764 and 2922; and Australia Directory, vol. 2, 5th Edition.

E. J. Beaumont, Comdr., r.i.m.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 295.

[Third Publication.]

AUSTRALIA—Queensland—Port Curtis.

Gatcombe head—Amended arc.

With reference to Notice to Mariners No. 285, dated the 3rd instant, issued by this office, the British Admiralty has given further notice (No. 686 of 1900) that one of the sectors of Gatcombe head new light, Port Curtis, has been altered, being now obscured when bearing southward of S. 45° W., but shows *white* from the bearing of S. 45° W., through west, to N. 70° W.; the other sectors remain as before. (*Notice No. 686 of 1900*).

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

Variation 8° Easterly in 1900.)

This Notice affects the following Admiralty Charts : Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900 : Also List of Lights, part VI., 1900, No. 1265; and Australia Directory, vol. II., 1898, page 178.

E. J. Beaumont, Comdr., r.i.m.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. Bayley,
Asst. Secy., Marine Department.

Calcutta, *the 15th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 296.

[Third Publication.]

PACIFIC OCEAN.

Bray rock.—Non-existence of.

With reference to notice to Mariners No. 165, dated 30th July 1898, issued by this office, the British Admiralty has given further notice (No. 698 of 1900) that further information has been received that the Commander of the S.S. *Warimoo* reports having searched on two occasions, in April and July 1900, for the danger (a ragged coral rock, about a quarter of a cable in extent, and 6 to 10 feet high) named Bray rock, which was reported to exist in 1898 by the Master of the Missionary vessel *Morning Star*, in lat. 7° 32′ N., long. 173° 13′ W.

Good observations were obtained and a careful look-out kept from both masthead and deck, when near and on the reported position, without anything resembling a rock or islet being seen. It is therefore considered probable that the Master of the *Morning Star* must

have seen a floating object, and consequently Bray rock has been erased from the Charts. (*Notice No. 698 of 1900.*)

This Notice affects the following Admiralty Charts:—Pacific ocean, No. 2683; Atlantic and Indian oceans, No. 2483; Pacific, north-east sheet, No. 782; Also Sailing Directions for the Pacific Islands, vol. III, 1900, page 189.

E J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 297.

[Third Publication.]

AUSTRALIA, NORTH COAST—PORT DARWIN.

Emery point—Exhibition of temporary light.

WITH reference to Notice to Mariners No. 265, dated 17th December 1898, issued by this office, the British Admiralty has given further notice (No. 700 of 1900) that a temporary *white fixed* light, elevated 65 feet above high water, and visible from a distance of 6 miles from the bearings of N. 28° W., through north and east, to S. 28° E, is exhibited on Emery point, port Darwin. It is shown from a wooden structure, painted white, erected on the point which is about 18½ cables N. 68° W. from Palmerston observation spot. (*Notice No. 700 of 1900.*)

Approximate position, lat, 12° 27½′ S., long. 130° 49′ E.

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Melville island, No. 613; port Darwin and adjacent inlets, No. 18; port Darwin, No. 925: Also, List of Lights, part VI., 1900, No. 1345; and Australia Directory, vol. III, 1895, pages 143, 146; and Supplement, 1898, relating to that work, page 3.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 19th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 298.

[Third Publication.]

AFRICA, EAST COAST—ZANZIBAR HARBOUR.

Shoals in southern and western passes—Leading marks.

THE British Admiralty has given notice (No. 702 of 1900) respecting the existence of certain rocks in the southern and western passes into Zanzibar harbour:—

a. A coral head, named Penfold rock, with a least depth over it of 14 feet, is situated with Sand head on Kisiki reef bearing N. 10° E., distant 7 cables. This shoal is marked by a black buoy.
Approximate position, lat. 6° 13′ S., long. 39° 10½′ E.

b. A coral head, with a least depth over it of 21 feet, is situated with the Sand head on Kisiki reef bearing N. 12° E., distant 8¾ cables.

c. A rock, with a depth of 26 feet over it (situated almost directly on the leading mark, with Sand head on Kisiki reef bearing N. 7° E., distant 8¾ cables.

The bottom is rocky and uneven in this vicinity, and it is possible that less water may exist, heavy draught vessels should therefore proceed with caution when near low-water springs.

Masingini house (the rear leading mark) is a ruin, and no longer visible from the southward. The summit on which it stood is, however, well marked by a double clump, the right-hand and largest of which in line with the white stone pillar near Kiungani, N. 44° E., is the leading mark which should be carefully followed.

A coral head of 2½ fathoms has also been found in the centre of the passage between Fungu Chawamba and the Two-fathom bank to the northward of it in the western pass. (*Notice No. 702 of 1900.*)

(*Variation 10° Westerly in 1900.*)

This Notice affects the following Admiralty Chart:—Zanzibar harbour, No. 665: Also, Africa Pilot, part III., 1897, pages 429, 432, 436.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 19th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 299.

Third Publication.]

EASTERN ARCHIPELAGO—BORNEO—NORTH-WEST COAST.

Palo river—Buoyage.

THE British Admiralty has given notice (No. 718 of 1900) that a black *nun* buoy, surmounted by a staff and ball, has been moored in a depth of 4 fathoms off the entrance to Palo river, with the extreme of the west point of the entrance (called Belimbin point) bearing S. 17°E., distant about 3¾ miles.

Approximate position, lat. 1° 50¾′ N., long. 109° 14¼′ E.

The channel (in which there is a depth of 10 feet at low water) into the river is marked on the eastern side by two *nun* buoys, painted white, and on the western side by one *can* buoy painted black. (*Notice No. 718 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Chart:—South Natuna islands, No. 2104: Also, China Sea Directory, vol. II, 1899, pages 44, 137.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 19th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 300.

[Third Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 10th November and reduced to zero:—

	Ft.	in.
Track No. I.—Outer bar.		
Disc on with mast with white and black casks	10	6
Drum on Patunga beacon and tree	12	0
Disc on diamond	10	0
Track No. II.—Inner bar.		
Disc on mast with white and black casks	11	0
Disc on diamond	12	0
Disc in the centre between diamond and mast with white and black casks	11	0
Track No. III.		
Tripod on cross and ball	22	0
Track No. IV.		
Triangle on mast with white and black casks	22	0
Track No. V.—Guptakhally crossing.		
Tripod on diamond	20	0
Centre	18	0

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 19th November 1900.*

APPENDIX TO

The Calcutta Gazette.

WEDNESDAY, DECEMBER 12, 1900.

NOTICES TO MARINERS.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 308.

[First Publication.]

AUSTRALIA – QUEENSLAND—PORT CURTIS.

Gatcombe head light—Amended sectors.

WITH reference to Notice to Mariners No. 258, dated 12th October last, issued by this office, the British Admiralty has given further notice (No. 732 of 1900) that the sectors of Gatcombe head new light, Port Curtis, have been amended as follows:—

A dim white light is visible from the bearing of S. 42° W. to S. 46° W.; it shows *white* from S. 46° W., through west, to N. 71° W. (the light is intensified in the northern part of this sector); it is obscured from N. 71° W. to N. 46 W.; and shows *white* from N. 46° W., through north, to N. 17° E.; *red* from N. 17° E. to N. 37° E.; *white* from N. 37° E. to N. 65° E.; obscured from N. 65° E., through east and south, to S. 42° W. (*Notice No. 732 of 1900.*)

Approximate position, lat. 23° 53′ S., long. 151° 23′ E.

(*Variation 8° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Sandy cape to Keppel islands, No. 345; Port Curtis, No. 1900: Also, List of Lights, part VI, 1900, No. 1265, page 206; and Australia Directory, vol. II, 1898, page 178.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 309.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO, EAST COAST—MAKASSAR STRAIT.

Aru bank—Intended light.

THE British Admiralty has given notice (No. 734 of 1900) that early in the year 1901 a *white group flashing* light, showing *two very short flashes* every *fourteen seconds*, will be established on Aru bank.

Aru bank light will be elevated 75 feet above high water, and visible in clear weather from a distance of 14 miles; it will be shown from a screw pile structure erected on the shoal in lat. 2° 15′ 25″ S., long. 116° 40′ 0″ E. (*Notice No. 734 of 1900.*)

This Notice affects the following Admiralty Charts :—Eastern archipelago, No. 941b; Strait of Makassar, No. 2637 : Also, List of Lights, part VI, 1900, page 92; Eastern archipelago, part II, 1893, page 314; and Supplement, 1899, page 36.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 310.

[First Publication.]

CHINA—YANG TSE KIANG APPROACH.

North channel and Tsung Ming crossing—Depths, buoys, &c.

THE British Admiralty has given notice (No. 735 of 1900) that from an examination recently made of the Shaweishan, or North, channel into the Yang tse, it would appear that no very extensive alteration has taken place in the depths, or configuration of the banks, as represented on Admiralty Chart No. 1602, corrected to August 1900, as a depth of from 19 to 20 feet at low water can be carried across the bar.

To facilitate crossing the bar in the deepest water two additional red conical buoys have been laid out.

1. An outer bar buoy, named SHAWEISHAN BANK BUOY, surmounted by a staff and globe, in 20 feet from which Shaweishan lighthouse bears N. 9° W., distant $2\frac{8}{10}$ miles.

   Approximate position, lat. 31° 22½′ N., long. 122° 14½′ E.

2. An inner bar buoy, named CHI YAO BANK OUTER BUOY, surmounted by a staff and cage, in 23 feet situated with Drinkwater point lighthouse bearing N. 58° W., distant $7\frac{1}{10}$ miles.

   Approximate position, lat. 31° 24′ N., long. 121° 56′ E.

3. The Fairway buoy, now the middle bar buoy, is coloured red and surmounted with a staff and ball.

   Approximate position, lat. 31° 24′ N., long. 121° 59½′ E.

To cross the bar in the deepest water vessels should pass close southward of the above-named buoys.

TIDAL INFORMATION.—In order to inform vessels, approaching the bar, what water they may expect in crossing it, a tide gauge has been established on Shaweishan island, and the height of the tide in feet above the 20 feet depths in the channel will be signalled by the International Code to any vessel asking for this information.

Tsung Ming crossing.

Also, that the Swashway, now named Tsung Ming crossing with a depth of 26 feet at low-water springs, and a width of 2 cables, between the north and south channels, north-westward of Tsung Ming bank, has been bouyed as follows:—

(*a*) EAST ENTRANCE BUOY is a conical black buoy, surmounted by a staff and globe, moored in a depth of 39 feet, and with Middle island beacon bearing S. 29° E., distant $5\frac{4}{10}$ miles.

Approximate position, lat. 31° 30½′ N., long. 121° 33′ E.

(*b*) FIRST CROSSING BUOY is a conical black buoy, surmounted by a staff and cage, moored in a depth of 29 feet, with Middle island beacon bearing S. 43° E., distant $6\frac{1}{10}$ miles.

(*c*) SECOND CROSSING BUOY is a conical black buoy, surmounted by a staff and triangle, moored in a depth of 23 feet, with Middle island beacon bearing S. 55° E., distant 6½ miles.

(*d*) WEST SPIT BUOY is a conical buoy, painted in red and black vertical stripes, surmounted by a staff and globe, moored in a depth of 30 feet, with Middle island beacon bearing S. 67° E., distant $7\frac{4}{10}$ miles.

DIRECTIONS.

Vessels bound to Shanghai through the North channel, after passing Liu Chiao light-house, should keep the coast of Tsung Ming island about one mile distant until the East Entrance buoy is sighted, when the course should be altered to pass about one cable to the northward of that buoy, and after passing the same distance to the northward of the other three buoys in the crossing, stand over towards the south-western bank of the Yang tse until about mid-channel, when a course may be shaped either up or down the river.

CAUTION.—Allowance must be made for the flood-tide which sets to the north-westward across the Swashway, especially between the East Entrance and First Crossing buoys. (*Notice No. 735 of 1900.*)

(*Variation 2° Westerly in 1900.*)

This Notice affects the following Admiralty Charts:—Kue Shan islands to Yang tse Kiang, No. 1199; Yang tse Kiang, Nos. 2809, 1602: Also, China Sea Directory, vol. III, 1894, pages 416, 417, 418, 419; and Supplement, 1898, page 25.

E. J. BEAUMONT, COMDR., R.I.M.,
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Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 311.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO—PULO LAUT STRAIT, NORTH ENTRANCE.

Kota Baru—Intended light.

THE British Admiralty has given notice (No. 736 of 1900) that during the year 1901 a *white flashing* light every *five seconds*, elevated 223 feet above high water, will be exhibited from a hill near Kota Baru.

It will be a light of the 5th order, and shown from an iron skeleton tower with dwelling attached erected on a hill named Balingkor.

A temporary *white fixed* light will be exhibited from this position in November 1900.

Approximate position, lat. 3° 14′ 0″ S., long. 116° 13′ 20″ E.

Further notice will be given. (*Notice No. 736 of 1900.*)

This Notice affects the following Admiralty Charts:—Strait of Makassar, No. 2637; Pulo Laut Strait on sheet No. 2762: Also, List of Lights, part VI, 1900, page 92; and Eastern Archipelago, part II, 1898, page 307.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 312.

[First Publication.]

EASTERN ARCHIPELAGO—BORNEO—PULO LAUT STRAIT.

Suangi islands—Leading lights intended.

THE British Admiralty has given notice (No. 738 of 1900) that, probably in November 1900, leading lights will be established on the Suangi islands, Pulo Laut strait:—

Suangi rear light will be *white fixed*, elevated 154 feet above high water, and visible from about the bearing of N. 13° E. to N. 3° E., and from about S. 35° W. to S. 25° W.

It will be shown from an iron skeleton tower 23 feet high, painted white, near the dwelling, erected near the position of the beacon, which is about 7 cables north-eastward of the south point of the island.

Approximate position, lat. 3° 27′ S., long. 116° 1′ E.

Suangi front light will also be *white fixed*, elevated 36 feet above high water, and visible from about S. 35° W. to S. 25° W.

It will be shown from a similar structure to the rear light erected near the beacon on the east side of the islet (Anak Suangi) about 8 cables N. 28° E. from the beacon on Suangi island.

These two lights in line will lead through the channel abreast of Tampakan island.

The beacons situated close to the position of these lights will be removed when the lights are exhibited.

Further notice will be given when they are established. (*Notice No. 738 of 1900.*)

(*Variation 2° Easterly in 1900.*)

This Notice affects the following Admiralty Charts:—Strait of Makassar, No. 2637; Pulo Laut strait on sheet No. 2602: Also, List of Lights, part VI, 1900, page 92; Eastern Archipelago, part II, 1893, page 310; and Supplement, 1899, page 34.

E. J. BEAUMONT, COMDR., R.I.M.,
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Published for general information.

C. B. BAYLEY
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 313.

[First Publication.]

EASTERN ARCHIPELAGO—CELEBES.

Gulf of Boni—Reefs.

THE British Admiralty has given notice (No. 740 of 1900) that discoloured water is reported to exist in the gulf of Boni in lat. 3° 57′ S., long. 121° 12′ E.; it has been placed on the Chart as a reef with less than 6 feet over it.

Also, that the reef, situated about 3½ miles to the southward of the above patch, is a sand bank which dries. (*Notice No. 740 of 1900.*)

This Notice affects the following Admiralty Chart:—Eastern archipelago, No. 942a: Also, Eastern archipelago, part II, 1893, page 352.

E. J. BEAUMONT, COMDR., R.I.M.,
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Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 314.

[First Publication.]

EASTERN ARCHIPELAGO—MAKASSAR STRAIT.

Meinders reef—Non-existence of—.

THE British Admiralty has given notice (No. 747 of 1900) that a careful but unsuccessful search has been made for Meinders reef, westward of cape William, in lat. 2° 35′ S., long. 118° 42′ E., and that it is considered in consequence not to exist; it has therefore been erased from the Charts. (*Notice No. 747 of 1900.*)

This Notice affects the following Admiralty Charts:—Eastern Archipelago, No. 941b; Strait of Makassar, No. 2637: Also, Eastern Archipelago, part II, 1893, page 333.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 315.

[First Publication.]

EASTERN ARCHIPELAGO—Bouro ISLAND.

Lisatetu rock—Non-existence of—.

THE British Admiralty has given notice (No. 748 of 1900) that Lisatetu rock, off the south-west coast of Bouro island, reported to be situated in lat. 3° 39′ S., long. 126° 7′ E., having been unsuccessfully searched for on several occasions, and being also unknown to the natives, it is considered that this danger does not exist, and it has in consequence been erased from the Charts. (*Notice No. 748 of 1900.*)

This Notice affects the following Admiralty Chart:—Eastern Archipelago, No. 942a: Also, Eastern Archipelago, part I, 1890, page 414.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 316.

[First Publication.]

CHINA SEA.

Formosa banks—Shoal sounding on—.

THE British Admiralty has given notice (No. 751 of 1900) that the Commander of U.S.S. *Buffulo* reports having obtained a sounding of 4 fathoms on the Formosa banks, in lat. 22° 49′ 40″ N., long 118° 20′ 50″ E., though the exact position would appear to be a little doubtful.

At a distance of 4 miles S. by W. from the 4-fathom sounding a depth of 7½ fathoms was obtained with deeper water between. (*Notice No. 751 of 1900.*)

This Notice affects the following Admiralty Charts:—China Sea, No. 2661b; Hong Kong to Liautung gulf, No. 1262; Formosa island, No. 1968: Also, China Sea Directory, vol. III, 1894, page 218; and Supplement, 1898, page 18.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 317.

[First Publication.]

AFRICA, NORTH-EAST COAST—RED SEA.

Kamaran island—Erroneously described in Sailing Directions.

THE British Admiralty has given notice (No. 753 of 1900) that, by an oversight in the volume of Sailing Directions, "The Red Sea and Gulf of Aden Pilot, fifth edition, 1900," on page 308, line two from bottom, it is stated that Kamaran island is "now a British possession." As this is not correct, these words should be erased. (*Notice No. 753 of 1900.*)

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 7th December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 318.

[First Publication.]

CHINA—HONG KONG.

Taitam bay—Beacons erected.

THE British Admiralty has given notice (No. 755 of 1900) that information has been received from the Commander-in-Chief, China, that two beacons, 30 feet high, in the form of obelisks, have been erected at the head of Taitam bay in the following positions:—

a. Front beacon with Tweed islet summit bearing S. 13° W., distant 1½ miles, and 302-foot hill N. 85° W.

Approximate position, lat. 22° 14′ N., long. 114° 13¾′ E.

b. Rear beacon is situated N. 3° W., distant 9½ cables, from the front beacon.

These beacons in line N. 3° W. lead 600 yards westward of Castle rock, and 1,400 yards westward of Beaufort (Lochau) island. (*Notice No. 755 of 1900.*)

(*Variation 1° Easterly in 1900.*)

This Notice affects the following Admiralty Charts :—Approaches to Hong Kong, No. 1180; Hong Kong, No. 1466; Taitam bay, No. 380: Also, China Sea Directory, vol. III, 1894, page 83.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 7th December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 319.

[First Publication.]

JAPAN—SIMONOSEKI STRAIT, EASTERN ENTRANCE.

Danno ura light—Temporarily discontinued.

THE British Admiralty has given notice (No. 756 of 1900) that, on and after 10th October 1900, Danno ura light would be discontinued during the reconstruction of the lighthouse in a different position. (*Notice No. 756 of 1900.*)

Approximate position, lat. 33° 58½′ N., long. 130 57¾′ E.

This Notice affects the following Admiralty Chart :—Simonoseki strait, No. 532 : Also, List of Lights, part VI, 1900, No. 857; China Sea Directory, vol. IV, 1894, page 429; and Supplement, 1898, page 24.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

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C. B. BAYLEY,
CALCUTTA, *the 7th December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 320.

[First Publication.]

BAY OF BENGAL—MADRAS COAST.

Seven Pagodas or Mahabalipuram light.

THE Presidency Port Officer, Madras, has given notice (No. 43 of 1900) that on a date to be hereafter fixed, a triple flashing white light of the 2nd order giving three flashes every 10 seconds will be exhibited on a rock at Seven Pagodas or Mahabalipuram, Latitude 12° 37′, Longitude 80° 11′, instead of the Fixed Red Dioptric Light of the 4th order now displayed there.

2. The new light will be visible 18 miles in clear weather. The arc of illumination is from N.E. through E. to S.S.W. (191° 30′). Bearings are magnetic and from seaward.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

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C. B. BAYLEY,
CALCUTTA, *the 7th December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 304.

[Second Publication.]

AUSTRALIA, SOUTH—ST. VINCENT GULF.

Port Adelaide—Erection of a new lighthouse on Wonga shoal.

WITH reference to Notice to Mariners, No. 144, dated the 15th June last, issued by this office, the President, Marine Board, Port Adelaide, has given further notice (No. 8 of 1900) that the erection of the new lighthouse on Wonga Shoal, Port Adelaide, will be commenced at an early date, and that during the continuance of the work a temporary riding light will be exhibited between sunset and sunrise from the works in progress on that shoal. It is expected that the new lighthouse will be completed about May 1901.

For a period of about one month before the new light is exhibited from Wonga Shoal the existing Port Adelaide illuminating apparatus will be removed from its present position at the entrance to the river. During its transfer to the Wonga Shoal Tower, a light of the third order, revolving every thirty seconds (as at present) visible for about fifteen (15) miles, will be exhibited from a temporary tower erected on the position now occupied by the Port Adelaide Lighthouse.

Further Notices as to the precise dates of exhibition of the Riding Light at Wonga Shoal, the removal of the existing Port Adelaide Light, the exhibition of the temporary light in lieu thereof, and the first exhibition of the permanent light on Wonga Shoal will be given in due course.

NOTE.—This affects Admiralty Plans Nos. 1750 and 1752.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 27th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS No. 305.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

The Spit light vessel.

THE Deputy Conservator of the Port of Rangoon has given notice that the Spit light vessel will be shifted on or about the 20th instant. She will be moved N. 19° E. 4 cables; the bearing being on the same line with the Eastern Grove lighthouse as at present, the two lights in one can be utilized as hitherto.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

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C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 27th November 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 306.

[Second Publication.]

BAY OF BENGAL—BURMA COAST.

The Spit light-vessel.

WITH reference to Notice to Mariners No. 305, dated the 27th November, issued by this office, the Deputy Conservator of the port of Rangoon has given further notice (No. 283, dated 21st idem) that the Spit light-vessel has been shifted N. 20° E. (true) 4 cables.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 3rd December 1900.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 307.

[Second Publication.]

BAY OF BENGAL—CHITTAGONG COAST.

Kurnafully river—Depth of water in the channels.

THE Port Officer, Chittagong, has given notice that the following depth of water was found in the river channels by soundings taken on the 24th November and reduced to zero:—

	Ft.	in.
Track No. I—Outer bar—		
Drum on Patunga beacon and tree	9	6
Disc on diamond	11	0
Disc in the centre between hill and mast with white and black casks	10	9

	Ft.	in.
Track No. II—Inner bar—		
Disc on diamond	11	0
Track No. III—		
Tripod on cross and ball	22	0
Track No. IV—		
Triangle on mast with white and black casks	22	0
Track No. V—Guptakhaly crossing—		
Tripod on diamond	18	0

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta

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CALCUTTA, *the 3rd December 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 301.

[Third Publication.]

INDIA, WEST—KATHIAWAR COAST.

Dwarka Poin Light.

WITH reference to Notice to Mariners No. 268, dated the 20th October last, issued by this office, the Bombay Government has given further notice (No. 98 of 1900) that a buggalow showing a white light, visible for a distance of six miles and a blue light every half hour, has been moored in 16 fathoms water four miles due west of Dwarka Point Light-house, and will remain in that position during the repairs now being carried out to the light-house.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

Published for general information.

C. B. BAYLEY,
CALCUTTA, *the 24th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 302.

[Third Publication.]

BAY OF BENGAL—BURMA COAST.

Elephant leading lights—Alteration in position.

WITH reference to Notice to Mariners No. 142, dated 9th June last, issued by this office, the following Notice to Mariners (No. 99 of 1900) issued by the Bombay Government is republished.

Information has been received from the Port Officer, Rangoon, dated 30th October 1900, that the Elephant Point leading lights will be shifted on 1st November 1900: the back light 60 feet further in and the front light 50 feet.

The line of transit will be the same.

2. Seventeen feet of water reduced has been found 220 yards outside line of lower and centre middle bank buoys opposite creek below Tanku, where old telegraph station stood.

This Notice affects the following Admiralty Charts:—Rangoon River and Approaches, No. 833; also Bay of Bengal Pilot, 2nd Edition, 1892, page 325, and Admiralty List of Lights, Part VI, 1900, Nos. 367 and 368.

E. J. BEAUMONT, COMDR., R.I.M.,
Offg. Port Officer of Calcutta.

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C. B. BAYLEY,
CALCUTTA, *the 24th November 1900.* *Asst. Secy., Marine Department.*

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

NOTICE TO MARINERS—No. 803.

[Third Publication.]

INDIA WEST—BOMBAY COAST.

Buoys between Alibagh and Vingorla replaced.

THE Bombay Government has given notice (No. 100 of 1900) that the undermentioned buoys that were removed for the south-west monsoon were replaced on the dates marked against each of them.

'Alibágh buoy on	...	30th September 1900
Bánkot buoys	...	12th October „
Anjanvel buoy	...	15th „ „
Ambulgad Reef buoy (Jaitápur) ...	...	29th September „
Jhonstone Castle buoy	...	25th „ „
Málvan Outer Rock	...	27th „ „
Málvan Harbour buoys	...	28th „ „
Chaldea Rock buoy	...	5th October „

E. J. BEAUMONT, COMDR., R.I.M.,
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Published for general information.

C. B. BAYLEY,
Asst. Secy., Marine Department.

CALCUTTA, *the 24th November 1900.*